

SCREENING SITE INSPECTION REPORT  
FOR  
LOGAN STORAGE SITES  
FRANKLIN GROVE, ILLINOIS  
U.S. EPA ID: ILD025475914  
SS ID: NONE  
TDD: F05-8912-089  
PAN: FILO705SB

EPA Region 5 Records Ctr.



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AUGUST 22, 1991



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International Specialists in the Environment

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## TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
1 INTRODUCTION.....	1-1
2 SITE BACKGROUND.....	2-1
2.1 INTRODUCTION.....	2-1
2.2 SITE DESCRIPTION.....	2-1
2.3 SITE HISTORY.....	2-1
3 SCREENING SITE INSPECTION PROCEDURES AND FIELD OBSERVATIONS.....	3-1
3.1 INTRODUCTION.....	3-1
3.2 SITE REPRESENTATIVE INTERVIEW.....	3-1
3.3 RECONNAISSANCE INSPECTION.....	3-1
3.4 SAMPLING PROCEDURES.....	3-8
4 ANALYTICAL RESULTS.....	4-1
5 DISCUSSION OF MIGRATION PATHWAYS.....	5-1
5.1 INTRODUCTION.....	5-1
5.2 GROUNDWATER.....	5-1
5.3 SURFACE WATER.....	5-2
5.4 AIR.....	5-3
5.5 FIRE AND EXPLOSION.....	5-3
5.6 DIRECT CONTACT.....	5-4
6 REFERENCES.....	6-1

Table of Contents (Cont.)

<u>Appendix</u>		<u>Page</u>
A	SITE 4-MILE RADIUS MAP.....	A-1
B	U.S. EPA FORM 2070-13.....	B-1
C	FIT SITE PHOTOGRAPHS.....	C-1
D	U.S. EPA TARGET COMPOUND LIST AND TARGET ANALYTE LIST QUANTITATION/DETECTION LIMITS.....	D-1
E	WELL LOGS OF THE AREA OF THE SITE.....	E-1



## LIST OF FIGURES

<u>Figure</u>		<u>Page</u>
2-1	Site Location.....	2-2
3-1	Site Features.....	3-3
3-2	Geophysical Survey Grid.....	3-5
3-3	Magnetic Anomaly Map.....	3-7
3-4	Soil/Sediment Sampling Locations.....	3-9

## LIST OF TABLES

<u>Table</u>		<u>Page</u>
3-1	Magnetometry Data.....	3-6
4-1	Results of Chemical Analysis of FIT-Collected Soil/Sediment Samples.....	4-2

## 1. INTRODUCTION

Ecology and Environment, Inc., Field Investigation Team (FIT) was tasked by the United States Environmental Protection Agency (U.S. EPA) to conduct a screening site inspection (SSI) of the Logan Storage Sites (Logan Storage site) under contract number 68-01-7347.

The site was discovered in early 1976 when the Lee County Health Department notified the Illinois Environmental Protection Agency (IEPA) that drums were stored on-site.

The site was evaluated in the form of a preliminary assessment (PA) that was submitted to U.S. EPA. The PA was prepared by Kenneth Page of IEPA and is dated May 22, 1985 (IEPA 1985).

FIT prepared an SSI work plan for the Logan Storage site under technical directive document (TDD) F05-8912-089, issued on December 12, 1989. The SSI work plan was approved by U.S. EPA on April 5, 1990. The SSI of the Logan Storage site was conducted on August 21 and 22, 1990, under amended TDD F05-8912-089, issued on April 19, 1990.

The FIT SSI included an interview with a site representative, a reconnaissance inspection and geophysical survey of the site, and the collection of six soil/sediment samples.

The purposes of an SSI have been stated by U.S. EPA in a directive outlining Pre-Remedial Program strategies. The directive states:

All sites will receive a screening SI to 1) collect additional data beyond the PA to enable a more refined preliminary HRS [Hazard Ranking System] score, 2) establish priorities among sites most likely to qualify for the NPL [National Priorities List], and 3) identify the

most critical data requirements for the listing SI step. A screening SI will not have rigorous data quality objectives (DQOs). Based on the refined preliminary HRS score and other technical judgement factors, the site will then either be designated as NFRAP [no further remedial action planned], or carried forward as an NPL listing candidate. A listing SI will not automatically be done on these sites, however. First, they will go through a management evaluation to determine whether they can be addressed by another authority such as RCRA [Resource Conservation and Recovery Act].... Sites that are designated NFRAP or deferred to other statutes are not candidates for a listing SI.

The listing SI will address all the data requirements of the revised HRS using field screening and NPL level DQOs. It may also provide needed data in a format to support remedial investigation work plan development. Only sites that appear to score high enough for listing and that have not been deferred to another authority will receive a listing SI. (U.S. EPA 1988)

U.S. EPA Region V has also instructed FIT to identify sites during the SSI that may require removal action to remediate an immediate human health or environmental threat.

## 2. SITE BACKGROUND

### 2.1 INTRODUCTION

This section presents information obtained from SSI work plan preparation, the site representative interview, and the reconnaissance inspection of the site.

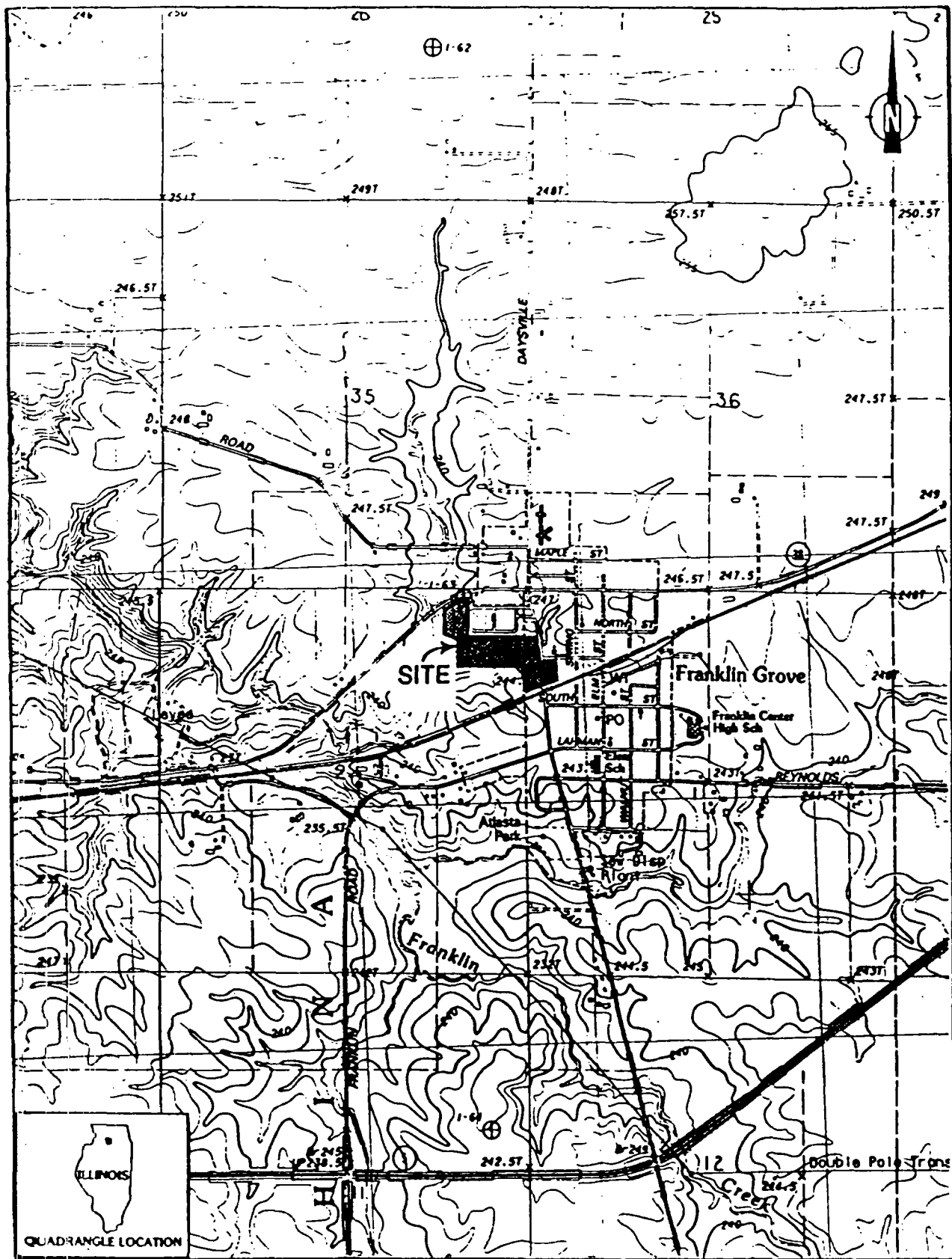
### 2.2 SITE DESCRIPTION

The Logan Storage site, which is known commercially as the Bob Logan Tractor Company, is an active tractor parts salvage yard. The irregularly shaped site consists of approximately 19 acres on the northwest border of the town of Franklin Grove, Lee County, Illinois (NE1/4NE1/4 sec. 2, NW1/4NW1/4 sec. 1, T.21N., R.10E). The remaining area in the vicinity of the site consists of farmland. A stream borders the site to the west; this stream flows into Franklin Creek approximately 1/2 mile southwest of the site (see Figure 2-1 for site location).

A 4-mile radius map of the Logan Storage site is provided in Appendix A.

### 2.3 SITE HISTORY

The site is owned and operated by Robert Logan and is the location of Logan's business operation, a used tractor parts salvage yard known as the Bob Logan Tractor Company. Logan has owned the site since approximately 1950. Before that, the site was jointly owned by several persons and was used for farming and residences. Logan began business operations on-site in approximately 1960 (Logan 1990).



SOURCE: USGS, Franklin Grove, IL Quadrangle, 7.5 Minute Series, 1983.



FIGURE 2-1 SITE LOCATION

According to IEPA, Logan began accepting drums containing off-grade paints, paint wastes, and solvents from Valspar Corporation (Valspar) sometime during the early 1970s. Valspar is a paint manufacturer located in Rockford, Illinois. By 1976 approximately 1,400 drums were being stored on-site. Logan had no permits to store these drums (IEPA 1985).

According to file information, IEPA conducted 11 inspections at the Logan site, the first occurring on June 10, 1976. A number of weathered, leaking drums were observed in subsequent site inspections. The drums were located in various on-site areas. However, most of the drums were located in the northern section of the site, along State Route 38. These drums were stacked on wooden pallets. Other drums were located in the southern section of the site, near Logan's business office and near some sheds on the south side of the site. Logan informed IEPA that he was storing the drums for Valspar. Many of the drums contained off-grade paint that was used for Logan's business operations.

Sometime in 1980, at IEPA's request, Logan, IEPA, and representatives from Valspar met to discuss Logan's paint storage practices. As a result, Logan and Valspar agreed to remove the drums. Waste Reduction, Inc. (Waste Reduction), a waste removal firm from White Bear Lake, Minnesota, was retained by Valspar to oversee the drum removal (Logan 1990). All drums, spilled material, and contaminated soils were removed from the site by October 30, 1982, and disposed of in various locations. A number of drums were transported to Huckill Chemical, in Ohio, and Solvent Recovery Corporation, in Missouri, for recovery; the remainder were landfilled at the BFI/Davis Junction hazardous waste landfill in Davis Junction, Illinois, and at a landfill for nonhazardous materials in Wahpeton, North Dakota. Jim Kinsey, an engineer for Waste Reduction, was in charge of removal activities. IEPA monitored the drum removal activities through a number of site inspections.

According to IEPA officials, it was alleged that drums have been buried on-site. However, IEPA has no evidence that this actually occurred (Wengrow 1990).

No litigation or further investigations are pending concerning the Logan Storage site (Logan 1990).

### 3. SCREENING SITE INSPECTION PROCEDURES AND FIELD OBSERVATIONS

#### 3.1 INTRODUCTION

This section outlines procedures and observations of the SSI of the Logan Storage site. Individual subsections address the site representative interview, reconnaissance inspection, geophysical survey procedures and results, and sampling procedures. Rationales for specific FIT activities are also provided. The SSI was conducted in accordance with the U.S. EPA-approved work plan with the following exception. An extra soil sample was added to better characterize the site. This brought the total number of samples to six instead of the five that had been proposed in the work plan.

The U.S. EPA Potential Hazardous Waste Site Inspection Report (Form 2070-13) for the Logan Storage site is provided in Appendix B.

#### 3.2 SITE REPRESENTATIVE INTERVIEW

Stan Senger of FIT conducted an interview with Robert Logan, site representative for Logan Storage. The interview took place in Logan's office at 8:30 a.m. on August 21, 1990. Jeff Taylor of FIT was also present. The interview was conducted to gather information that would aid FIT in conducting SSI activities.

#### 3.3 RECONNAISSANCE INSPECTION

Following the site representative interview, FIT conducted a reconnaissance inspection of the Logan Storage site and surrounding area in accordance with Ecology and Environment, Inc. (E & E), health and safety guidelines. The reconnaissance inspection began at 11:00 a.m. and



included a walk-through of the site to determine appropriate health and safety requirements for conducting on-site activities and to make observations to aid in characterizing the site. FIT also determined sampling locations during the reconnaissance inspection. FIT was not accompanied by a site representative during the reconnaissance inspection.

Reconnaissance Inspection Observations. The 19-acre site consists of three sections (see Figure 3-1 for site features). The northern section of the site is a horse pasture bordered on the north by State Route 38, on the east by a cemetery, and on the west by a stream. This stream flows from the north under State Route 38. The northern section of the site is fenced on the north, south, and east sides. Gates are located in the northeast and southeast corners of the fence. Fragments of tractor parts were scattered throughout this section, which had been used in the past to store a majority of the metal drums located on-site. FIT did not observe any stained soil in this section.

The central section of the site is a wooded area that abuts the southeast corner of the northern section. This section is bordered on the north by the cemetery, on the east by State Street, on the south by an agricultural area, and on the west by a wooded area. Tractor parts were scattered throughout this section; an access road leads from the northern section of the site, across the central section to State Street. The Logan residence is located on the northern border of the central section of the site, approximately 50 feet east of the access road. Several houses are located at the southeast corner of the central section of the site, adjacent to State Street.

The southern section of the site abuts the southeast corner of the central section and is bordered on the west by the agricultural area, on the south by the Chicago and North Western Railroad tracks, and on the east by the city of Franklin Grove. Metal drums had also been stored in this section of the site. Logan's office and five storage sheds are located directly west of State Street. FIT observed oil cans and tractor parts in the sheds. Tractor parts were also scattered throughout the southern section of the site. To the east of State Street is another storage shed that contains tractor parts. Tractor tires were stacked directly east of this shed, and the cement foundation of another shed was located to the south of the tires. FIT observed an area of

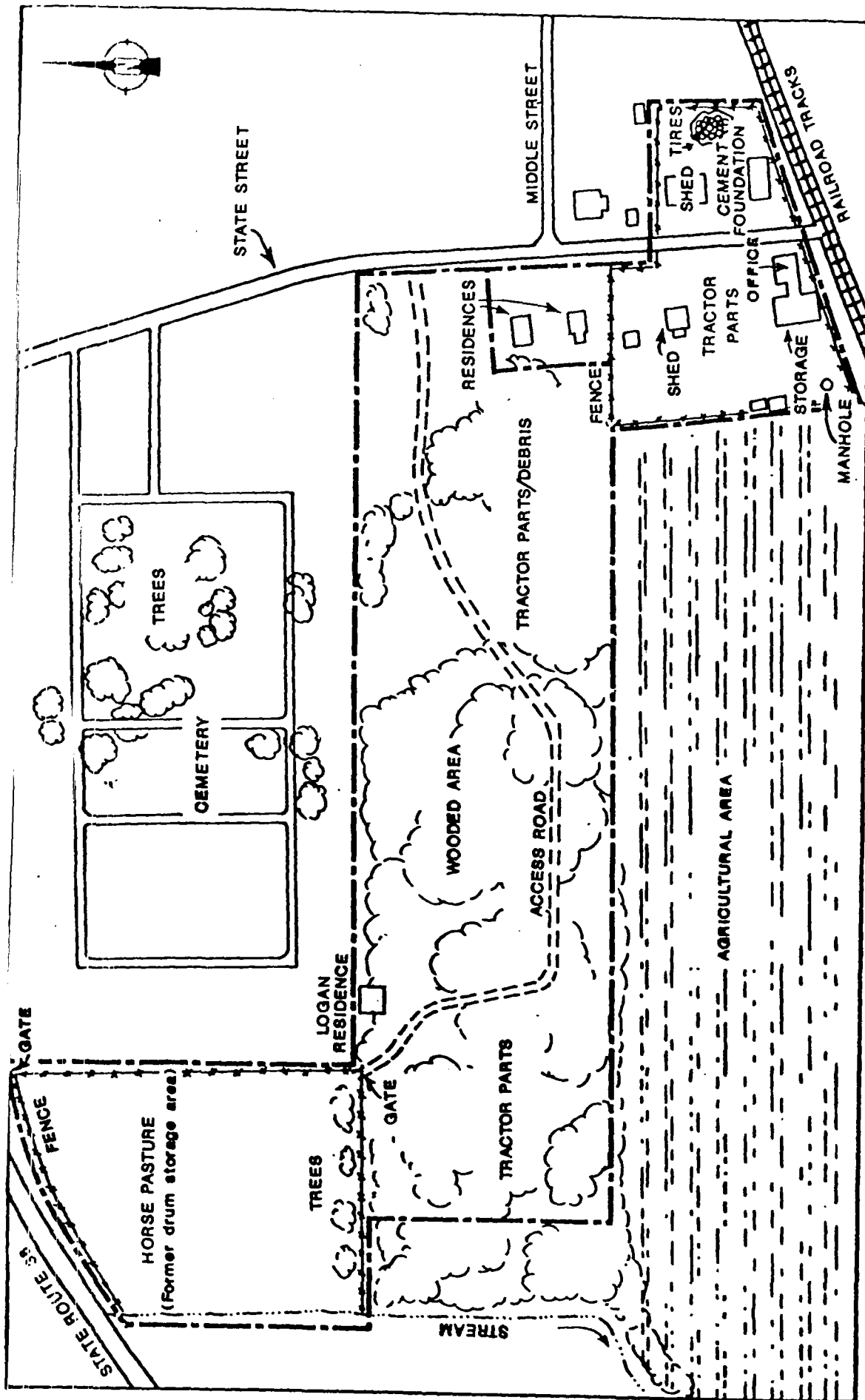


FIGURE 3-1 SITE FEATURES

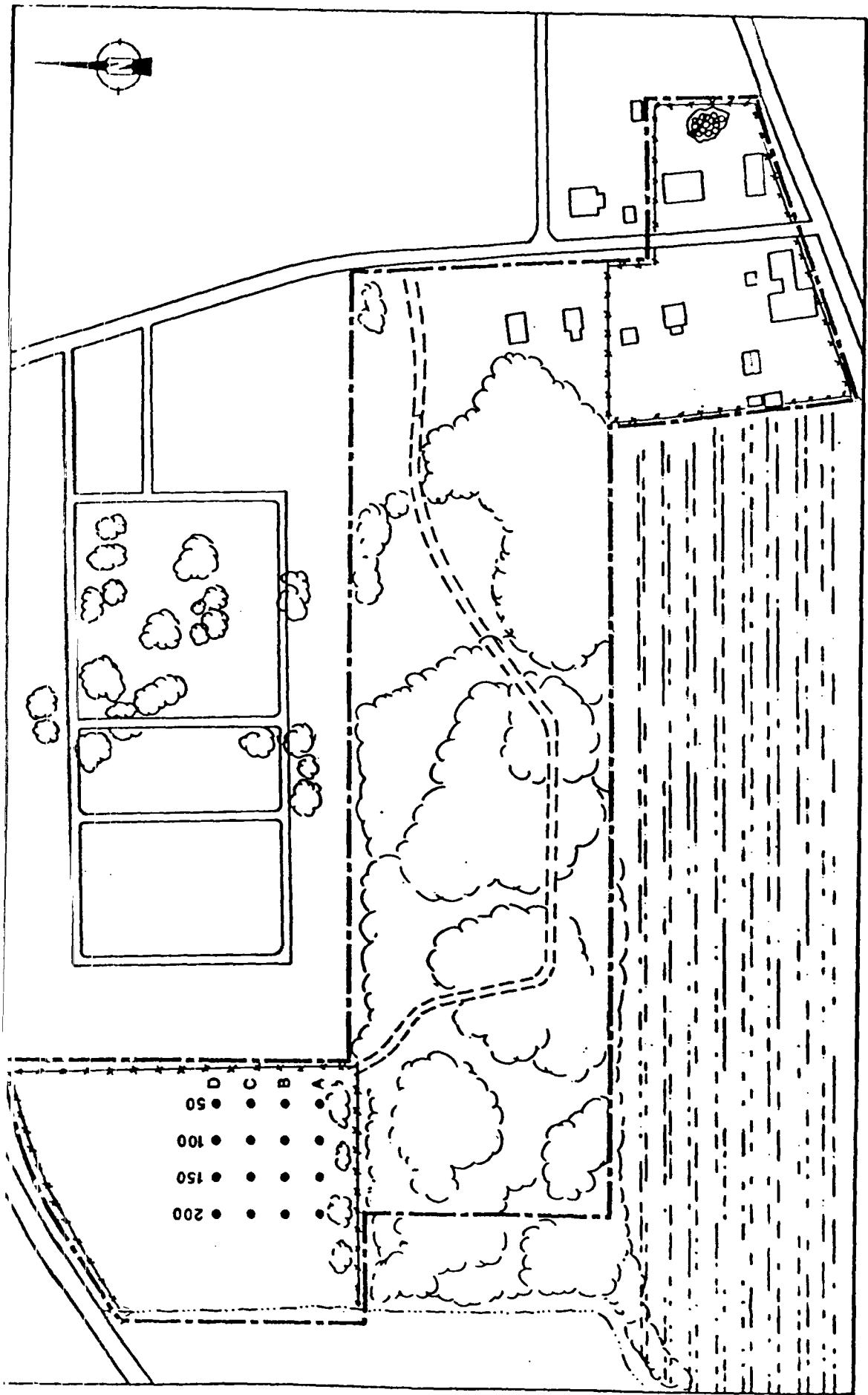
stained soil directly west of the cement foundation. A manhole is located in the southwest corner of the south section of the site.

FIT photographs from the SSI of the Logan Storage site are provided in Appendix C.

Geophysical Survey Procedures. A geophysical survey was conducted at the Logan Storage site on August 21, 1990, in accordance with the U.S. EPA-approved work plan. This survey was conducted on the southern portion of the northern section of the site, where drums were known to have been stored. This survey was conducted to determine whether drums were buried on-site.

A survey of the total magnetic field was conducted with an EG + G geometrics G-856 proton precession magnetometer. The magnetometer's sensor was maintained at a constant height of 3 meters above the ground surface by connecting the sensor to a 3-meter-long staff. The survey was completed by taking 16 readings and 5 base readings at points on a grid measuring 50 square feet that had been measured off on the ground surface. The geophysical survey grid is presented in Figure 3-2. Magnetometry data is listed in Table 3-1.

Geophysical Survey Results. The results of the survey indicate that the regional magnetic field of the earth was relatively subdued with little variation over the mapped area at the time of the survey (see Figure 3-3 for magnetic anomaly map). However, superimposed over the regional magnetic field are several local anomalies of limited extent. These anomalies appear to manifest themselves at single points only. Therefore, their sources are interpreted to have limited depth and areal extents. Examples include anomalies with maximums of 56944.4, 56940.0, and 56893.0 gammas. The density of grid points precludes depth estimation of the anomalies, but half-width formulas suggest depths of sources at 4 to 8 feet beneath the surface of the ground (Telford et al. 1976). Finally, the three semicontinuous anomalies at the bottom of the survey grid presented in Figure 3-3 (56932.4, 56890.0, and 56897.2 gammas) may also be explained by shallow sources with limited depth extent. However, nearby ferrous objects at the surface appear to be the source of these disturbances. In conclusion, the mapped area appears to be free of any substantial amount of ferrous material near the ground surface.



SCALE 0 100 200 300 400 500 FEET

FIGURE 3-2 GEOPHYSICAL SURVEY GRID

Table 3-1

MAGNETOMETRY DATA  
RECORDED ON AUGUST 21, 1990

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Station	Reading (gammas)
<hr/>	
Base	56904.6
A-50	56926.5
A-100	56908.9
A-150	56902.2
A-200	56945.1
Base	56913.5
B-50	56907.0
B-100	56954.3
B-150	56932.8
B-200	56931.8
Base	56915.9
C-50	56933.3
C-100	56938.0
C-150	56982.9
C-200	56961.0
Base	56941.4
D-50	56924.9
D-100	56940.8
D-150	56934.8
D-200	56937.7
Base	56911.0

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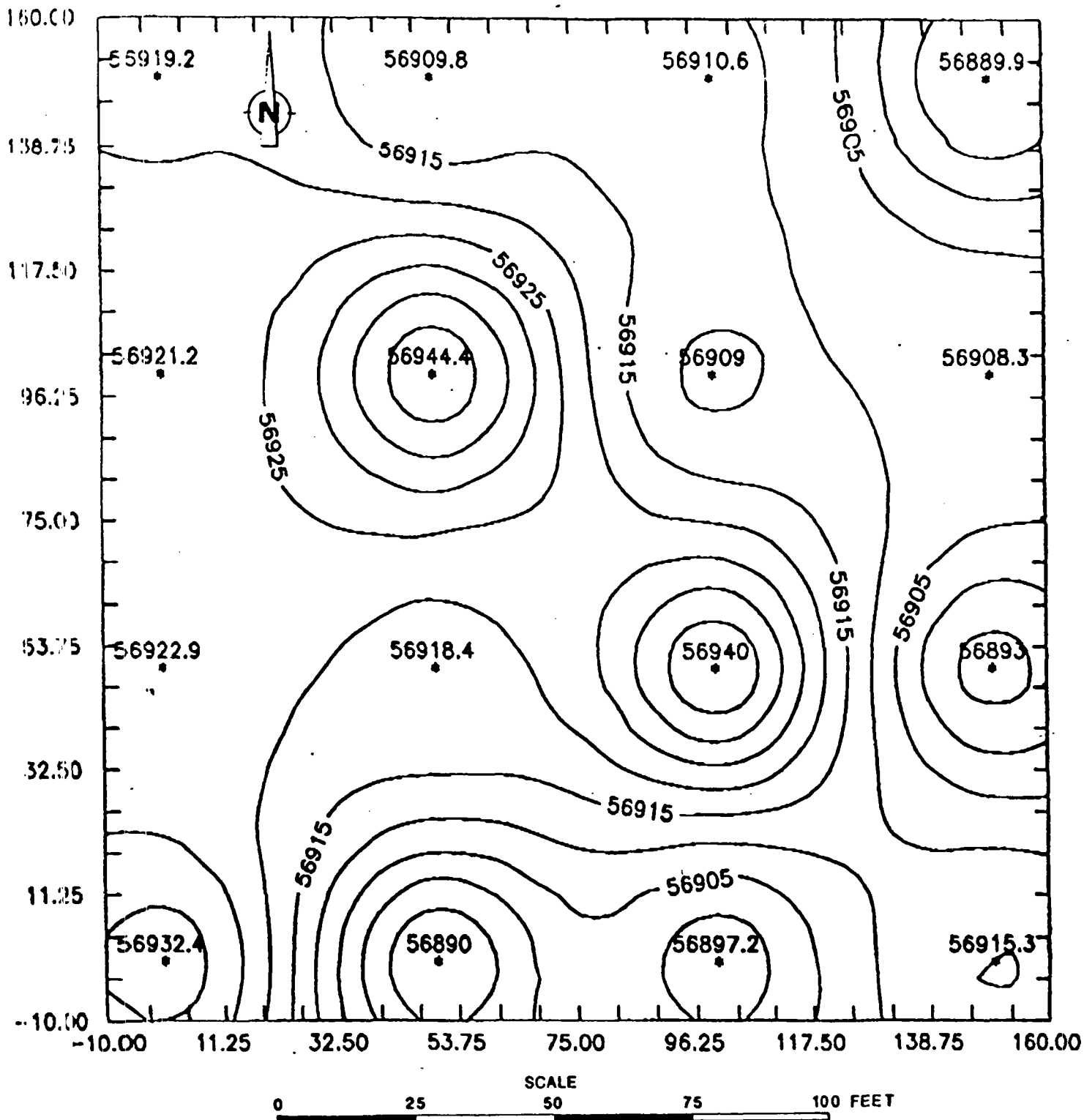


FIGURE 3-3 MAGNETIC ANOMALY MAP OF LOGAN STORAGE SITE

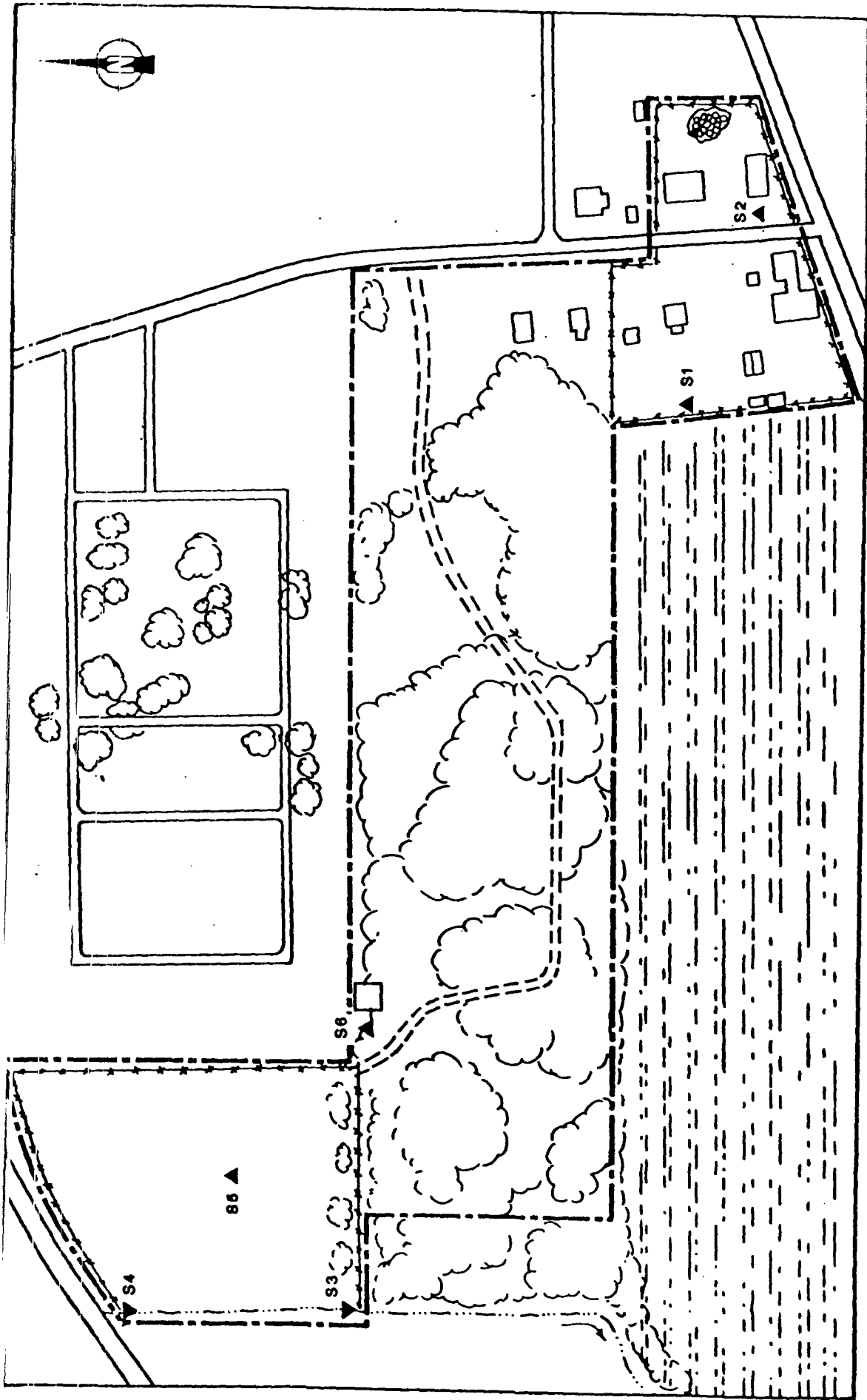
#### 3.4 SAMPLING PROCEDURES

Samples were collected by FIT at locations selected during the reconnaissance inspection to determine whether U.S. EPA Target Compound List (TCL) compounds or Target Analyte List (TAL) analytes were present at the site. The TCL and TAL are included with corresponding quantitation/detection limits in Appendix D.

On August 22, 1990, FIT collected four soil samples and two sediment samples, including one potential background sample from the Logan Storage site. Portions of the on-site soil/sediment samples were offered to the site representative, but the portions were declined.

Soil/Sediment Sampling Procedures. Soil samples S1 and S2 were collected from the southern section of the site, where, according to FIT file information, drums of paint wastes were stored (see Figure 3-4 for soil/sediment sampling locations). Samples S1 and S2 were collected to determine whether any contaminants had leaked onto the ground from the drums. Sample S1 was a grab sample collected with a trowel at a depth of 0 to 6 inches from a low spot in the section. Sample S2 was a grab sample collected at a depth of 0 to 6 inches from the area of stained soil. Sample S2 was also collected with a trowel. Soil sample S5 was collected at a depth of 3 feet from the center of the northern section of the site. Sample S5 was collected with a posthole digger and trowel. Sample S5 was collected to determine whether TCL compounds and TAL analytes had leaked from the drums of paint waste into the soil. Soil sample S6 was collected as a potential background sample from an undisturbed area in the central section of the site, near the Logan home. Sample S6 was a grab sample collected at a depth of 0 to 6 inches with a trowel.

Sediment samples S3 and S4 were collected from the stream that runs along the west border of the northern section of the site. According to FIT file information, the northern section of the site was previously used to store drums containing off-grade paints, paint wastes, and solvents. Samples S3 and S4 were collected to determine whether TCL compounds and TAL analytes that may have leaked from these drums could have migrated to the stream. Sample S3 was a grab sample collected at a depth of 0 to 4 inches from the stream at the southwest corner of the northern section of the site. Sample S3 was collected with a trowel.



SCALE 0 100 200 300 400 500 FEET

LEGEND  
▲ SOIL ▼ SEDIMENT

FIGURE 3-4 SOIL/SEDIMENT SAMPLING LOCATIONS



Sample S4 was also a grab sample, collected upstream of sample S3 at the northwest corner of the northern section of the site. Sample S4 was collected with a trowel at a depth of 0 to 3 inches.

For all samples collected, sample portions for volatile organic analysis were placed directly into sample bottles. The remaining sample portions were placed in stainless steel bowls, mixed, and transferred into sample bottles by using a trowel (E & E 1987).

Standard E & E decontamination procedures were adhered to during the collection of all soil/sediment samples. The procedures included the scrubbing of all equipment (e.g., trowels, posthole digger, and bowls) with a solution of detergent (Alconox) and distilled water, and triple-rinsing the equipment with distilled water before the collection of each sample (E & E 1987). All soil/sediment samples were packaged and shipped in accordance with U.S. EPA-required procedures.

As directed by U.S. EPA, all soil/sediment samples were analyzed using the U.S. EPA Contract Laboratory Program (CLP).

#### 4. ANALYTICAL RESULTS

This section presents results of the chemical analysis of FIT-collected soil/sediment samples for TCL compounds and TAL analytes. All samples were analyzed for volatile organics, semivolatile organics, pesticides/polychlorinated biphenyls (PCBs), metals, and cyanides. Complete chemical analysis results of FIT-collected soil/sediment samples are provided in Table 4-1.

Quantitation/detection limits used in the analysis of soil/sediment samples are provided in Appendix D.

The analytical data for the chemical analysis of soil/sediment samples collected for this SSI have been reviewed by U.S. EPA for compliance with terms of CLP, and the review has been approved by U.S. EPA. The analytical data have also been reviewed by FIT for validity and usability. Any additions, deletions, or changes to the data have been incorporated in the chemical analysis results table presented in this section.

Table 4-1  
RESULTS OF CHEMICAL ANALYSIS OF  
FIT-COLLECTED SOIL/SEDIMENT SAMPLES

Sample Collection Information and Parameters	Sample Number					
	S1	S2	S3	S4	S5	S6
Date	8/22/90	8/22/90	8/22/90	8/22/90	8/22/90	8/22/90
Time	1045	1100	1200	1215	1220	1300
CLP Organic Traffic Report Number	EHA07	EHA08	ELY96	ELY97	ELY98	ELY99
CLP Inorganic Traffic Report Number	MELF92	MELF93	MELF94	MELF95	MELF96	MELF97
<u>Compound Detected</u> (values in $\mu\text{g/kg}$ )						
<u>Volatile Organics</u>						
acetone	19J	12J	--	--	16J	14J
chlorobenzene	2J	2J	2J	1J	2J	2J
<u>Semivolatile Organics</u>						
n-nitrosodiphenylamine	--	190J	100J	180J	220J	180J
fluoranthene	200J	--	--	--	--	--
pyrene	180J	--	--	--	--	--
benzo[a]anthracene	110J	--	--	--	--	--
chrysene	240J	--	--	--	--	--
bis(2-ethylhexyl)phthalate	--	100J	--	130J	280J	--
benzo[b]fluoranthene	190J	--	--	--	--	--
benzo[a]pyrene	96J	--	--	--	--	--
<u>Pesticides/PCBs</u>						
4,4'-DDT	12J	--	--	--	--	--
<u>Analyte Detected</u> (values in $\text{mg/kg}$ )						
aluminum	14,900	2,570	6,790	1,830	22,100	11,200
antimony	--	4.6BNJ	--	--	--	--
arsenic	5.6	3.7	--	1.2B	18.9	4.6
barium	222	150	85.6	31.9B	159	245

Table 4-1 (Cont.)

Sample Collection Information and Parameters	Sample Number					
	S1	S2	S3	S4	S5	S6
beryllium	0.88B	--	--	--	0.8B	0.56B
cadmium	1.1BJ	2.8	0.37B	--	0.31B	0.54B
calcium	8,350	41,800	6,520	8,420	2,900	5,770
chromium	23.4	44	10.5	4.5	28.8	15.9
cobalt	10.7B	3.1B	6.2B	3.1B	12	10.7B
copper	81.2	94.8	15.8	5.6BJ	22.1	17
iron	19,800	10,300	12,000	5,110	35,000	13,700
lead	135	316	25.2	3.9	14.4	278
magnesium	4,810	22,300	3,680	4,560	4,920	2,770
manganese	985	685	559	617	522	1,530
mercury	0.15	0.51	--	--	--	0.12
nickel	19.8	12.2	9.5B	3.8B	25.2	16
potassium	2,570	526B	808B	408B	2,000	1,580
selenium	0.98B	--	--	--	0.55B	1B
sodium	104BJ	198B	218BJ	173BJ	181BJ	266B
thallium	0.33B	--	--	--	0.48B	--
vanadium	36.6EJ	7.5BEJ	23.6EJ	16.8EJ	55.5EJ	29.4EJ
zinc	209JN	1,030NJ	49.2NJ	15.5NJ	63.8NJ	86.4NJ

-- Not detected.

Table 4-1 (Cont.)

COMPOUND QUALIFIER	DEFINITION	INTERPRETATION
J	Indicates an estimated value.	Compound value may be semiquantitative.

ANALYTE QUALIFIERS	DEFINITION	INTERPRETATION
E	Estimated or not reported due to interference. See laboratory narrative.	Analyte or element was not detected, or value may be semiquantitative.
N	Spike recoveries outside QC protocols, which indicates a possible matrix problem. Data may be biased high or low. See spike results and laboratory narrative.	Value may be quantitative or semi-quantitative.
B	Value is real, but is above instrument DL and below CRDL.	Value may be quantitative or semi-quantitative.
J	Value is above CRDL and is an estimated value because of a QC protocol.	Value may be semiquantitative.

## 5. DISCUSSION OF MIGRATION PATHWAYS

### 5.1 INTRODUCTION

This section presents discussions of data and information pertaining to potential migration pathways and targets of TCL compounds and TAL analytes that are possibly attributable to the Logan Storage site.

The five migration pathways of concern discussed are groundwater, surface water, air, fire and explosion, and direct contact.

### 5.2 GROUNDWATER

Groundwater samples were not collected, in accordance with the U.S. EPA-approved work plan. However, soil/sediment sampling results indicate that a potential exists for TCL compounds and TAL analytes to migrate into the groundwater in the vicinity of the site. This potential is based on the following information.

- TCL compounds and TAL analytes were detected in on-site soil/sediment samples.
- Area well logs indicate the absence of a continuous confining layer within a 3-mile radius of the site.
- Wells drawing water from depths as shallow as 40 feet are located within the 3-mile radius of the site.

The potential for TCL compounds and TAL analytes to migrate from the site is also based on the geology of the site. The Logan Storage

site is located in north-central Lee County, where the surficial geology is composed of glacial till and alluvial deposits that consist mostly of clay. According to local well logs, these deposits range from 20 to 53 feet deep. These glacial and alluvial deposits overlie the Ordovician-age Galena-Platteville Limestone and St. Peter Sandstone bedrock (Student et al. 1981). All of the wells described in local well logs draw water from the limestone and sandstone bedrock. Because the well logs indicate the lack of a continuous confining layer throughout the 3-mile radius of the site, the limestone and sandstone bedrock appears to be the aquifer of concern (AOC).

The population potentially affected by the migration of TCL compounds and TAL analytes to groundwater in the area of the Logan Storage site consists of those persons served by the Franklin Grove municipal water system, and those persons outside the municipal water system but within a 3-mile radius of the site who use private wells. The nearest private well used for drinking water is located on-site, at the Logan residence. The City of Franklin Grove operates three municipal wells, which are all located 1/4 mile east of the Logan Storage site. These wells draw water from the AOC. The Franklin Grove municipal water system serves approximately 968 persons (Uphoff 1990).

The number of persons using private wells was determined by counting houses within a 3-mile radius of the site but outside the municipal water system on United States Geological Survey (USGS) topographic maps (USGS 1975, 1975a, 1983, 1983a, 1983b). One hundred and thirty homes were counted within a 3-mile radius of the site. This figure was then multiplied by the persons-per-household average of 2.73 for Lee County, Illinois (U.S. Bureau of the Census 1982), to obtain a population of 355 persons. The total population potentially affected by groundwater contamination, therefore, is approximately 1,323 persons.

### 5.3 SURFACE WATER

Surface water samples were not collected at the Logan Storage site, in accordance with the U.S. EPA-approved work plan. However, FIT did collect two sediment samples from the stream bordering the northern section of the site. TCL compounds and TAL analytes were detected in both sediment samples.

FIT believes a potential exists for TCL compounds and TAL analytes to migrate to surface water, based on the following information.

- TCL compounds and TAL analytes were detected in on-site soil/sediment samples.
- The northern section of the site gently slopes to the stream; there are no on-site structures to divert runoff from flowing to the stream.

The surface water potentially affected includes the stream and Franklin Creek. The stream flows into Franklin Creek approximately 1/2 mile southwest of the site. According to local officials and FIT observations, these creeks are small and are not used for recreation (Uphoff 1990).

#### 5.4 AIR

A release of TCL compounds or TAL analytes to the air was not documented during the SSI of the Logan Storage site. During the reconnaissance inspection, FIT site-entry instruments (OVA, combination oxygen meter and explosimeter, radiation monitor, and hydrogen cyanide detector) did not detect levels above background concentrations at the site. In accordance with the U.S. EPA-approved work plan, further air monitoring was not conducted by FIT.

A potential does not exist for TCL compounds and TAL analytes to migrate from the site via windblown particulates because the site is heavily vegetated.

#### 5.5 FIRE AND EXPLOSION

According to federal, state, and local file information reviewed by FIT, and an interview with Robert Logan, no documentation exists of an incident of fire or explosion at the site. According to FIT observations and site-entry equipment readings, no potential for fire or explosion existed at the site at the time of the SSI. Additionally, Franklin



## 6. REFERENCES

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1:24,000.

\_\_\_\_\_, 1983, Daysville, Illinois Quadrangle, 7.5 Minute Series:  
1:24,000.

\_\_\_\_\_, 1983a, Dixon East, Illinois Quadrangle, 7.5 Minute Series:  
1:24,000.

\_\_\_\_\_, 1983b, Franklin Grove, Illinois Quadrangle, 7.5 Minute  
Series: 1:24,000.

Wengrow, Bob, February 8, 1990, IEPA, Rockford Region, telephone conversation, contacted by Jeff Taylor of E & E.

6257:8

APPENDIX A

SITE 4-MILE RADIUS MAP





ecology and environment, inc.		SITE NAME LOGAN STORAGE SITE	
		U.S. EPA ID# ILD025475914	
MUNICIPAL WELL -			
USGS TOPOGRAPHIC MAP:			
NAME	NAME DAYSVILLE, IL	NAME	CHANA, IL
DATE	DATE 1983	DATE	DATE 1975
REVISED	REVISED	REVISED	REVISED
NAME DIXON EAST, IL	NAME FRANKLIN GROVE, IL	NAME	ASHTON, IL
DATE 1983	DATE 1983	DATE	DATE 1975
REVISED	REVISED	REVISED	REVISED
SCALE			
0 1/2 1 MILE			
CONTOUR INTERVAL = 3 METERS			
QUADRANGLE LOCATION			



APPENDIX B

U.S. EPA FORM 2070-13



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 1 - SITE LOCATION AND INSPECTION INFORMATION

I. IDENTIFICATION

01 STATE ILD 02 SITE NUMBER 025475914

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site) Logan Storage Site  
02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER State Street Box 216  
03 CITY Franklin Grove  
04 STATE IL 05 ZIP CODE 61031 06 COUNTY Lee  
07 COUNTY CODE 103 08 CONG DIST 16  
09 COORDINATES  
LATITUDE 41° 50' 35.0" LONGITUDE 089° 18' 08.0"  
10 TYPE OF OWNERSHIP (Check one)  
☒ A. PRIVATE ☐ B. FEDERAL ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL  
☐ F. OTHER ☐ G. UNKNOWN

III. INSPECTION INFORMATION

01 DATE OF INSPECTION 8/27/90  
MONTH DAY YEAR  
02 SITE STATUS  
☒ ACTIVE  
☐ INACTIVE  
03 YEARS OF OPERATION  
1950 1 Present  
BEGINNING YEAR ENDING YEAR  
UNKNOWN

04 AGENCY PERFORMING INSPECTION (Check all that apply)

☒ A. EPA ☒ B. EPA CONTRACTOR Ecology + Environment ☐ C. MUNICIPAL ☐ D. MUNICIPAL CONTRACTOR  
☐ E. STATE ☐ F. STATE CONTRACTOR ☐ G. OTHER (Specify)

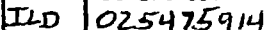
05 CHIEF INSPECTOR	06 TITLE	07 ORGANIZATION	08 TELEPHONE NO.
Stan Spangler	Water Resource Manager	E+E	(312) 663-9415
09 OTHER INSPECTORS	10 TITLE	11 ORGANIZATION	12 TELEPHONE NO.
Karen Spangler	Environmental Engineer	E+E	(312) 663-9415
Doreen Benford	Biologist	E+E	(312) 663-9415
Jeff Taylor	Biologist	E+E	(312) 663-9415
			( )
			( )

13 SITE REPRESENTATIVES INTERVIEWED	14 TITLE	15 ADDRESS	16 TELEPHONE NO.
Robert Logan	Owner	Box 216 State Street Franklin Grove IL 61031	(815) 456-2222
			( )
			( )
			( )
			( )
			( )
			( )

17 ACCESS GAINED BY (Check one)  
☒ PERMISSION ☐ WARRANT  
18 TIME OF INSPECTION 830  
19 WEATHER CONDITIONS Overcast ~ 60-70°F

IV. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NO.		
Tam Crouse	Illinois Environmental Protection Agency	(217) 782-6761		
04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NO.	08 DATE
Jeff Taylor	US EPA FIT	Ecology and Environment	(312) 663-9415	12/27/90 MONTH DAY YEAR



☒ I. HIGHLY VOLATILE  
☐ J. EXPLOSIVE  
☐ K. REACTIVE  
☐ L. INCOMPATIBLE  
☐ M. NOT APPLICABLE

## EPA FORM 2570-13(7-8)



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER  
ILO 025475914

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: ~1323 04 NARRATIVE DESCRIPTION

See Section 5.2 in the narrative

01 ☒ B. SURFACE WATER CONTAMINATION 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: 0 04 NARRATIVE DESCRIPTION

See section 5.3 in the narrative

01 ☒ C. CONTAMINATION OF AIR 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: ~1575 04 NARRATIVE DESCRIPTION

See Section 5.4 in the narrative

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☐ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: 0 04 NARRATIVE DESCRIPTION

See Section 5.5 in the narrative

01 ☒ E. DIRECT CONTACT 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: ~1031 04 NARRATIVE DESCRIPTION

See Section 5.6 in the narrative

01 ☒ F. CONTAMINATION OF SOIL 02 ☒ OBSERVED (DATE: 8/22/90) ☐ POTENTIAL ☐ ALLEGED  
03 AREA POTENTIALLY AFFECTED: ~9 (Meters) 04 NARRATIVE DESCRIPTION

See Section 4 in the narrative for complete analytical results

01 ☒ G. DRINKING WATER CONTAMINATION 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: ~1323 04 NARRATIVE DESCRIPTION

See section 5.2 in the narrative

01 ☒ H. WORKER EXPOSURE/INJURY 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED  
03 WORKERS POTENTIALLY AFFECTED: ~3 04 NARRATIVE DESCRIPTION

According to the site representative there are 3 workers on site

01 ☒ I. POPULATION EXPOSURE/INJURY 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: ~1575 04 NARRATIVE DESCRIPTION

The above population figure represents the approximate population residing within a 4-mile radius of the site.





POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE IL 02 SITE NUMBER 025475914

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☒ J. DAMAGE TO FLORA 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED  
04 NARRATIVE DESCRIPTION  
A Potential exists because TCL compounds and TAL analytes were detected  
in on-site Soil Samples

01 ☒ K. DAMAGE TO FAUNA 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED  
04 NARRATIVE DESCRIPTION (include names of species)  
A Potential exists for damage to Fauna if they ingest contaminated flora  
losses were present in the northern portion of the site.

01 ☐ L. CONTAMINATION OF FOOD CHAIN 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☐ POTENTIAL ☐ ALLEGED  
04 NARRATIVE DESCRIPTION  
FIT believes there is no potential for contamination of the food chain

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES 02 ☒ OBSERVED (DATE: 8/22/90) ☐ POTENTIAL ☐ ALLEGED  
(Specify amount/standing liquid, leaking drum)  
03 POPULATION POTENTIALLY AFFECTED: ~ 1575 04 NARRATIVE DESCRIPTION  
TCL compounds and TAL analytes were detected in on-site Soil  
Samples collected by FIT

01 ☐ N. DAMAGE TO OFFSITE PROPERTY 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☐ POTENTIAL ☐ ALLEGED  
04 NARRATIVE DESCRIPTION  
None observed by FIT

01 ☒ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED  
04 NARRATIVE DESCRIPTION  
FIT observed a man hole sewer cap on the South Portion of the site

01 ☒ P. ILLEGAL/UNAUTHORIZED DUMPING 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED  
04 NARRATIVE DESCRIPTION  
Site access is not limited, so a potential exists for unauthorized dumping

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

None

06 TOTAL POPULATION POTENTIALLY AFFECTED: ~ 1575

07. COMMENTS

None

08. SOURCES OF INFORMATION (See specific references, e.g., state files, sample analysis, reports)

SI conducted by FIT (1990)  
Analytical data (E+E 1990)  
U.S.G.S. Topographic Maps



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION  
PART 4 - PERMIT AND DESCRIPTIVE INFORMATION

I. IDENTIFICATION

01 STATE 02 SITE NUMBER  
ILD 025475914

II. PERMIT INFORMATION

01 TYPE OF PERMIT ISSUED (Check all that apply)	02 PERMIT NUMBER	03 DATE ISSUED	04 EXPIRATION DATE	05 COMMENTS
<input type="checkbox"/> A. NPDES				
<input type="checkbox"/> B. UIC				
<input type="checkbox"/> C. AIR				
<input type="checkbox"/> D. RCRA				
<input type="checkbox"/> E. RCRA INTERM STATUS				
<input type="checkbox"/> F. SPCC PLAN				
<input type="checkbox"/> G. STATE (Specify)				
<input type="checkbox"/> H. LOCAL (Specify)				
<input type="checkbox"/> I. OTHER (Specify)				
<input type="checkbox"/> J. NONE				

III. SITE DESCRIPTION

01 STORAGE/DISPOSAL (Check all that apply)	02 AMOUNT	03 UNIT OF MEASURE	04 TREATMENT (Check all that apply)	05 OTHER
<input type="checkbox"/> A. SURFACE IMPOUNDMENT			<input type="checkbox"/> A. INCINERATION	<input checked="" type="checkbox"/> A. BUILDINGS ON SITE
<input type="checkbox"/> B. PILES			<input type="checkbox"/> B. UNDERGROUND INJECTION	~ 8
<input checked="" type="checkbox"/> C. DRUMS, ABOVE GROUND	~ 1400	55-gallon drums	<input type="checkbox"/> C. CHEMICAL/PHYSICAL	
<input type="checkbox"/> D. TANK, ABOVE GROUND	of paint waste that was		<input type="checkbox"/> D. BIOLOGICAL	
<input type="checkbox"/> E. TANK, BELOW GROUND	removed		<input type="checkbox"/> E. WASTE OIL PROCESSING	06 AREA OF SITE
<input type="checkbox"/> F. LANDFILL			<input type="checkbox"/> F. SOLVENT RECOVERY	19 (Acres)
<input type="checkbox"/> G. LANDFARM			<input type="checkbox"/> G. OTHER RECYCLING/RECOVERY	
<input type="checkbox"/> H. OPEN DUMP			<input type="checkbox"/> H. OTHER (Specify)	
<input type="checkbox"/> I. OTHER (Specify)				

0. COMMENTS

By 1976 the Logan Storage Site contained approximately 1400 drums of paint and paint waste it received from the Valpar Corporation. Beginning in 1980 the drums were removed and were all gone by October of 1982 along with any spilled material and contaminated soil.

IV. CONTAINMENT

01 CONTAINMENT OF WASTES (Check one)

☐ A. ADEQUATE, SECURE ☐ B. MODERATE ☒ C. INADEQUATE, POOR ☐ D. INSECURE, UNSOUND, DANGEROUS

02 DESCRIPTION OF DRUMS, DRIPPING, LINERS, BARRIERS, ETC.

Presently, there are no drums of paint waste at the Logan Storage site. There were small drums of oil used by Logans tractor operation. Contaminated soil was detected on-site. No liner is or was present at this site.

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE: ☒ YES ☐ NO

02 COMMENTS

Site is accessible with no fence around part of it.

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

SI conducted by FIT (1990)  
State and FIT file information



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION

01 STATE 02 SITE NUMBER  
ILD 025475914

II. DRINKING WATER SUPPLY

01 TYPE OF DRINKING SUPPLY

SURFACE WELL  
COMMUNITY A ☐ B ☒  
NON-COMMUNITY C ☐ D ☒

02 STATUS

ENDANGERED AFFECTED MONITORED  
A ☐ B ☐ C ☒  
D ☐ E ☐ F ☐  
Unknown

03 DISTANCE TO SITE

A. ~1/4 (mi)  
B. On-site (mi)

III. GROUNDWATER

01 GROUNDWATER USE IN VICINITY (check one)

11 A. ONLY SOURCE FOR DRINKING ☐ B. DRINKING (Other sources available)  
COMMERCIAL, INDUSTRIAL, IRRIGATION (No other water sources available)  
C. COMMERCIAL, INDUSTRIAL, IRRIGATION (Linked other sources available)  
D. NOT USED, UNUSEABLE

02 POPULATION SERVED BY GROUND WATER ~1323

03 DISTANCE TO NEAREST DRINKING WATER WELL On-site (mi)

04 DEPTH TO GROUNDWATER

45 (ft)

05 DIRECTION OF GROUNDWATER FLOW

Possibly NE

06 DEPTH TO AQUIFER OF CONCERN

43 (ft)

07 POTENTIAL YIELD OF AQUIFER

Unknown (gpd)

08 SOLE SOURCE AQUIFER

☐ YES ☒ NO

09 DESCRIPTION OF WELLS (including usage, depth, and location relative to population and buildings)

The city of Franklin Grove has 3 wells all approximately 1/4 mile from the site.  
Private wells are located as close as 1/2 mile

10 RECHARGE AREA

☒ YES  
☐ NO

COMMENTS Potential recharge through natural precipitation

11 DISCHARGE AREA

☐ YES  
☒ NO

COMMENTS No area nearby for discharge

IV. SURFACE WATER

01 SURFACE WATER USE (check one)

A. RESERVOIR, RECREATION, DRINKING WATER SOURCE  
B. IRRIGATION, ECONOMICALLY IMPORTANT RESOURCES  
C. COMMERCIAL, INDUSTRIAL  
D. NOT CURRENTLY USED

02 AFFECTED/POTENTIALLY AFFECTED BODIES OF WATER

NAME:

AFFECTED

DISTANCE TO SITE

Unnamed Stream (tributary of Franklin Creek) ☐ On-site (mi)  
☐ (mi)  
☐ (mi)

V. DEMOGRAPHIC AND PROPERTY INFORMATION

01 TOTAL POPULATION WITHIN

ONE (1) MILE OF SITE  
A. ~103  
NO. OF PERSONS

TWO (2) MILES OF SITE  
B. ~1164  
NO. OF PERSONS

THREE (3) MILES OF SITE  
C. ~1323  
NO. OF PERSONS

02 DISTANCE TO NEAREST POPULATION

On-site (mi)

03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE

~430

04 DISTANCE TO NEAREST OFF-SITE BUILDING

~100 ft (mi)

05 POPULATION WITHIN VICINITY OF SITE (Provide narrative description of nature of population within vicinity of site, e.g., rural village, densely populated urban area)

The Logan Storage site is located on the west side of Franklin Grove, IL (pop ~970 people) Rural farmland surrounds Franklin Grove.



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

ILD 025475914

VI. ENVIRONMENTAL INFORMATION

01 PERMEABILITY OF UNSATURATED ZONE (Check one)

☐ A.  $10^{-6} - 10^{-8}$  cm/sec ☒ B.  $10^{-4} - 10^{-6}$  cm/sec ☐ C.  $10^{-4} - 10^{-3}$  cm/sec ☐ D. GREATER THAN  $10^{-3}$  cm/sec

02 PERMEABILITY OF BEDROCK (Check one)

☐ A. IMPERMEABLE  
(Less than  $10^{-6}$  cm/sec)  
☒ B. RELATIVELY IMPERMEABLE  
( $10^{-6} - 10^{-8}$  cm/sec)  
☐ C. RELATIVELY PERMEABLE  
( $10^{-2} - 10^{-4}$  cm/sec)  
☐ D. VERY PERMEABLE  
(Greater than  $10^{-2}$  cm/sec)

03 DEPTH TO BEDROCK

3 (m)

04 DEPTH OF CONTAMINATED SOIL ZONE

Unknown (m)

05 SOIL pH

Unknown

06 NET PRECIPITATION

3 (in)

07 ONE YEAR 24 HOUR RAINFALL

2.5 (in)

08 SLOPE  
SITE SLOPE

< 3 %

DIRECTION OF SITE SLOPE

West

TERRAIN AVERAGE SLOPE

< 3 %

09 FLOOD POTENTIAL

SITE IS IN N/A YEAR FLOODPLAIN

10

☐ SITE IS ON BARRIER ISLAND, COASTAL HIGH HAZARD AREA, RIVERINE FLOODWAY  
N/A

11 DISTANCE TO WETLANDS (5 acre minimum)

ESTUARINE

A. N/A (mi)

OTHER

B. > 1 (mi)

12 DISTANCE TO CRITICAL HABITAT (of endangered species)

> 1 (mi)

ENDANGERED SPECIES: N/A

13 LAND USE IN VICINITY

DISTANCE TO:

COMMERCIAL/INDUSTRIAL

a. On-site (mi)

RESIDENTIAL AREAS, NATIONAL/STATE PARKS,  
FORESTS, OR WILDLIFE RESERVES

b. On-site (mi)

AGRICULTURAL LANDS  
PRIME AG LAND AG LAND

c. Unknown (mi) d. adjacent (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY

See Appendix A

VII. SOURCES OF INFORMATION (Cite specific references, e.g., state files, search analysis, reports)

U.S.G.S. Topographic maps  
Area well logs  
FIT file info.



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 6 - SAMPLE AND FIELD INFORMATION

I. IDENTIFICATION

01 STATE 02 SITE NUMBER  
ILD 025475914

II. SAMPLES TAKEN

SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	03 ESTIMATED DATE RESULTS AVAILABLE
GROUNDWATER			
SURFACE WATER			
WASTE			
AIR			
RUNOFF			
SOIL			
SOIL	6	Env. Control Tech. Corp. - Ann Arbor MI - TEL York Laboratories - Monroe CT - TAL	on file
VEGETATION			
OTHER			

III. FIELD MEASUREMENTS TAKEN

01 TYPE	02 COMMENTS
CNA 128	No readings above background
meter	20.8 O <sub>2</sub> 0.8 LEL
O <sub>2</sub> / Exo Combination	
H <sub>2</sub> N monitor	No readings above background
Radiation detector	No readings above background

IV. PHOTOGRAPHS AND MAPS

01 TYPE: <input checked="" type="checkbox"/> GROUND <input type="checkbox"/> AERIAL	02 IN CUSTODY OF Ecology + Environment (Name of organization or individual)
03 MAPS <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	04 LOCATION OF MAPS Ecology + Environment

V. OTHER FIELD DATA COLLECTED (Provide narrative description)

Magnetometry Data (See Narrative, section 3)  
Magnetometry Anomiles map (See section 3)

VI. SOURCES OF INFORMATION (Can specify references, e.g., state files, sample analysis, reports)

SI conducted by FIT  
FIT file info.



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 7 - OWNER INFORMATION

I. IDENTIFICATION

01 STATE 02 SITE NUMBER  
ILD 025425914

II. CURRENT OWNER(S)				PARENT COMPANY (if applicable)			
01 NAME		02 D+B NUMBER		08 NAME		09 D+B NUMBER	
Robert Logan				N/A			
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		10 STREET ADDRESS (P.O. Box, RFD #, etc.)		11 SIC CODE	
30x216 State St							
05 CITY		06 STATE	07 ZIP CODE	12 CITY		13 STATE	14 ZIP CODE
Franklin Grove		IL	61031				
01 NAME		02 D+B NUMBER		08 NAME		09 D+B NUMBER	
N/A				N/A			
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		10 STREET ADDRESS (P.O. Box, RFD #, etc.)		11 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE	12 CITY		13 STATE	14 ZIP CODE
01 NAME		02 D+B NUMBER		08 NAME		09 D+B NUMBER	
N/A				N/A			
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		10 STREET ADDRESS (P.O. Box, RFD #, etc.)		11 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE	12 CITY		13 STATE	14 ZIP CODE
01 NAME		02 D+B NUMBER		08 NAME		09 D+B NUMBER	
N/A				N/A			
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		10 STREET ADDRESS (P.O. Box, RFD #, etc.)		11 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE	12 CITY		13 STATE	14 ZIP CODE
III. PREVIOUS OWNER(S) (Last must receive first)				IV. REALTY OWNER(S) (if applicable; last must receive first)			
01 NAME		02 D+B NUMBER		01 NAME		02 D+B NUMBER	
Unknown				N/A			
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE	05 CITY		06 STATE	07 ZIP CODE
01 NAME		02 D+B NUMBER		01 NAME		02 D+B NUMBER	
N/A				N/A			
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE	05 CITY		06 STATE	07 ZIP CODE
01 NAME		02 D+B NUMBER		01 NAME		02 D+B NUMBER	
N/A				N/A			
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE	05 CITY		06 STATE	07 ZIP CODE
V. SOURCES OF INFORMATION (On specific references, e.g., State files, sample analysis, reports)							
SI. Conducted by PIT							



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 8 - OPERATOR INFORMATION

I. IDENTIFICATION

01 STATE 02 SITE NUMBER  
ILD 025 475 914

II. CURRENT OPERATOR (provide if different from owner)

OPERATOR'S PARENT COMPANY (if applicable)

01 NAME Robert Logan 02 D+B NUMBER 10 NAME N/A 11 D+B NUMBER

13 STREET ADDRESS (P.O. Box, RFD #, etc.) 04 SIC CODE 12 STREET ADDRESS (P.O. Box, RFD #, etc.) 13 SIC CODE  
Box 216 State St

15 CITY 06 STATE 07 ZIP CODE 14 CITY 15 STATE 16 ZIP CODE  
Franklin Grove IL 61031

18 YEARS OF OPERATION 09 NAME OF OWNER  
1950 - Present Robert Logan

III. PREVIOUS OPERATOR(S) (List most recent first; provide only if different from owner)

PREVIOUS OPERATORS' PARENT COMPANIES (if applicable)

01 NAME N/A 02 D+B NUMBER 10 NAME N/A 11 D+B NUMBER

13 STREET ADDRESS (P.O. Box, RFD #, etc.) 04 SIC CODE 12 STREET ADDRESS (P.O. Box, RFD #, etc.) 13 SIC CODE

15 CITY 06 STATE 07 ZIP CODE 14 CITY 15 STATE 16 ZIP CODE

18 YEARS OF OPERATION 09 NAME OF OWNER DURING THIS PERIOD

01 NAME N/A 02 D+B NUMBER 10 NAME N/A 11 D+B NUMBER

13 STREET ADDRESS (P.O. Box, RFD #, etc.) 04 SIC CODE 12 STREET ADDRESS (P.O. Box, RFD #, etc.) 13 SIC CODE

15 CITY 06 STATE 07 ZIP CODE 14 CITY 15 STATE 16 ZIP CODE

18 YEARS OF OPERATION 09 NAME OF OWNER DURING THIS PERIOD

01 NAME N/A 02 D+B NUMBER 10 NAME N/A 11 D+B NUMBER

13 STREET ADDRESS (P.O. Box, RFD #, etc.) 04 SIC CODE 12 STREET ADDRESS (P.O. Box, RFD #, etc.) 13 SIC CODE

15 CITY 06 STATE 07 ZIP CODE 14 CITY 15 STATE 16 ZIP CODE

18 YEARS OF OPERATION 09 NAME OF OWNER DURING THIS PERIOD

IV. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

SI conducted by FET



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 9 - GENERATOR/TRANSPORTER INFORMATION

I. IDENTIFICATION

01 STATE  
IL

02 SITE NUMBER  
025475914

II. ON-SITE GENERATOR

01 NAME N/A	02 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	
05 CITY	06 STATE 07 ZIP CODE	

III. OFF-SITE GENERATOR(S)

01 NAME Valspar Corporation	02 D+B NUMBER	01 NAME N/A	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.) 200 Sayre	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY Rockford	06 STATE IL	05 CITY	06 STATE 07 ZIP CODE 61104
01 NAME N/A	02 D+B NUMBER	01 NAME N/A	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE 07 ZIP CODE	05 CITY	06 STATE 07 ZIP CODE

IV. TRANSPORTER(S)

01 NAME Robert Logan	02 D+B NUMBER	01 NAME N/A	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.) Box 216 State St.	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY Franklin Grove	06 STATE IL	05 CITY	06 STATE 07 ZIP CODE 61031
01 NAME N/A	02 D+B NUMBER	01 NAME N/A	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE 07 ZIP CODE	05 CITY	06 STATE 07 ZIP CODE

V. SOURCES OF INFORMATION (See specific references, e.g., state files, sample analysis, reports)

SI conducted by FIT





POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 10 - PAST RESPONSE ACTIVITIES

L IDENTIFICATION

01 STATE 02 SITE NUMBER  
ILD 025475914

I. PAST RESPONSE ACTIVITIES

01 <input type="checkbox"/> A. WATER SUPPLY CLOSED 04 DESCRIPTION N/A	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> B. TEMPORARY WATER SUPPLY PROVIDED 04 DESCRIPTION N/A	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> C. PERMANENT WATER SUPPLY PROVIDED 04 DESCRIPTION N/A	02 DATE _____	03 AGENCY _____
01 <input checked="" type="checkbox"/> D. SPILLED MATERIAL REMOVED 04 DESCRIPTION (See narrative) Drums, spilled material, and contaminated soil removed by December 1981	02 DATE by 12/81	03 AGENCY IEPA
01 <input checked="" type="checkbox"/> E. CONTAMINATED SOIL REMOVED 04 DESCRIPTION (See narrative) Drums, spilled material, and contaminated soil removed by December 1981	02 DATE by 12/81	03 AGENCY IEPA
01 <input type="checkbox"/> F. WASTE REPACKAGED 04 DESCRIPTION N/A	02 DATE _____	03 AGENCY _____
01 <input checked="" type="checkbox"/> G. WASTE DISPOSED ELSEWHERE 04 DESCRIPTION (See narrative) Drums, spilled material, and contaminated soil removed by December 1981	02 DATE by 12/81	03 AGENCY IEPA
01 <input type="checkbox"/> H. ON SITE BURIAL 04 DESCRIPTION N/A	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> I. IN SITU CHEMICAL TREATMENT 04 DESCRIPTION N/A	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> J. IN SITU BIOLOGICAL TREATMENT 04 DESCRIPTION N/A	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> K. IN SITU PHYSICAL TREATMENT 04 DESCRIPTION N/A	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> L. ENCAPSULATION 04 DESCRIPTION N/A	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> M. EMERGENCY WASTE TREATMENT 04 DESCRIPTION N/A	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> N. CUTOFF WALLS 04 DESCRIPTION N/A	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> O. EMERGENCY DIKING SURFACE WATER DIVERSION 04 DESCRIPTION N/A	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> P. CUTOFF TRENCHES/SEEP 04 DESCRIPTION N/A	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> Q. SUBSURFACE CUTOFF WALL 04 DESCRIPTION N/A	02 DATE _____	03 AGENCY _____



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 10 - PAST RESPONSE ACTIVITIES

I IDENTIFICATION

01 STATE 02 SITE NUMBER

ILD 025475914

II PAST RESPONSE ACTIVITIES *(continued)*

01 ☐ R. BARRIER WALLS CONSTRUCTED  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

N/A

01 ☐ S. CAPPING/COVERING  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

N/A

01 ☐ T. BULK TANKAGE REPAIRED  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

N/A

01 ☐ U. GROUT CURTAIN CONSTRUCTED  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

N/A

01 ☐ V. BOTTOM SEALED  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

N/A

01 ☐ W. GAS CONTROL  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

N/A

01 ☐ X. FIRE CONTROL  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

N/A

01 ☐ Y. LEACHATE TREATMENT  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

N/A

01 ☐ Z. AREA EVACUATED  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

N/A

01 ☐ 1. ACCESS TO SITE RESTRICTED  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

N/A

01 ☐ 2. POPULATION RELOCATED  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

N/A

01 ☐ 3. OTHER REMEDIAL ACTIVITIES  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

N/A

III. SOURCES OF INFORMATION *(For specific references, e.g., state law, sample analysis, reports)*

SI conducted by FIT  
FIT file info.



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 11 - ENFORCEMENT INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	025475914

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY/ENFORCEMENT ACTION ☐ YES ☒ NO

02 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY/ENFORCEMENT ACTION

N/A

III. SOURCES OF INFORMATION (One specific reference, e.g., state files, sample analysis, reports)

SI conducted by FET  
FET file info

APPENDIX C

FIT SITE PHOTOGRAPHS

SITE NAME: Logan Storage SitePAGE 1 OF 14U.S. EPA ID: ILD025475914TDD: F05-8912-089PAN: FILO7055BDATE: > 8/21/90TIME: > 1220DIRECTION OF  
PHOTOGRAPH:  
> NorthWEATHER  
CONDITIONS:  
> Overcast> ~ 70°PHOTOGRAPHED BY:  
> S. SengerSAMPLE ID  
(if applicable):  
> N/ADESCRIPTION: > Field where drums were stored on north end of the  
> site. Orange flags were for the magnetometry grid. Route  
38 in the backgroundDATE: > 8/21/90TIME: > 1225DIRECTION OF  
PHOTOGRAPH:  
> NorthWEATHER  
CONDITIONS:  
> Overcast> ~ 70°PHOTOGRAPHED BY:  
> S. SengerSAMPLE ID  
(if applicable):  
> N/ADESCRIPTION: > Example of Magnetometry work conducted at  
> the Logan Storage site



SITE NAME: Logan Storage SitePAGE 2 OF 14U.S. EPA ID: ILD025475914TDD: F05-8912-089PAN: PILO7055BDATE: > 8/21/90TIME: > 1235DIRECTION OF  
PHOTOGRAPH:  
> NorthWEATHER  
CONDITIONS:  
> Overcast> ~ 70°PHOTOGRAPHED BY:  
> S. SengerSAMPLE ID  
(if applicable):  
> N/ADESCRIPTION: > Western most Grid line in field where drums were  
> storedDATE: > 8/21/90TIME: > 1245DIRECTION OF  
PHOTOGRAPH:  
>WEATHER  
CONDITIONS:  
> Overcast> ~ 70°PHOTOGRAPHED BY:  
> S. SengerSAMPLE ID  
(if applicable):  
> N/ADESCRIPTION: > One of many Tractor parts that were present  
> at the surface or protruding in the field along Route 38



SITE NAME: Logan Storage SitePAGE 3 OF 14U.S. EPA ID: ILD025475914TDD: F05-8912-089PAN: PILO7055BDATE: > 8/21/90TIME: > 12:50DIRECTION OF  
PHOTOGRAPH:> South EastWEATHER  
CONDITIONS:  
> Overcast> ~ 70°PHOTOGRAPHED BY:  
> S. SengerSAMPLE ID  
(if applicable):  
> N/ADESCRIPTION: > South east corner of Grid area with gate in  
> the backgroundDATE: > 8/21/90TIME: > 1230DIRECTION OF  
PHOTOGRAPH:> SouthWEATHER  
CONDITIONS:  
> Overcast> ~ 70°PHOTOGRAPHED BY:  
> S. SengerSAMPLE ID  
(if applicable):  
> N/ADESCRIPTION: > metal hay feeder located in field along south edge  
> an abandoned gate in the background



SITE NAME: Logan Storage SitePAGE 4 OF 14U.S. EPA ID: ILD025475914TDD: F05-8912-089PAN: FILO7055BDATE: 8/22/90TIME: 1015DIRECTION OF  
PHOTOGRAPH:  
>WEATHER  
CONDITIONS:  
> Overcast> ~ 70°PHOTOGRAPHED BY:  
> S. SengerSAMPLE ID  
(if applicable):  
> N/ADESCRIPTION: > Manhole near Southwest corner of Salvage yard area.>DATE: 8/22/90TIME: 1015DIRECTION OF  
PHOTOGRAPH:  
> EastWEATHER  
CONDITIONS:  
> Overcast> ~ 70°PHOTOGRAPHED BY:  
> S. SengerSAMPLE ID  
(if applicable):  
> N/ADESCRIPTION: > Facing east near manhole. Office in the background,  
> Storage sheds in the foreground.



FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: Logan Storage Site

PAGE 5 OF 14

U.S. EPA ID: ILD02547514

TDD: FO5-8112-089

PAN: PILC1055B



DATE: 8/22/90 TIME: 1020

DIRECTION OF PHOTOGRAPH: South

PHOTOGRAPHED BY: S. Sager

WEATHER CONDITIONS: Overcast ~ 70°

SAMPLE ID (if applicable): N/A

DESCRIPTION: Logan Tractor Company office and workshop



SITE NAME: Logan Storage SitePAGE 6 OF 14U.S. EPA ID: ILD025475914TDD: F05-8912-089PAN: FILO7055BDATE: 8/22/90TIME: > 1020DIRECTION OF  
PHOTOGRAPH:  
> southwestWEATHER  
CONDITIONS:  
> Overcast> ~ 70°PHOTOGRAPHED BY:  
> S. SengerSAMPLE ID  
(if applicable):  
> N/ADESCRIPTION: > area west of office building and shed>DATE: > 8/21/90TIME: > 1021DIRECTION OF  
PHOTOGRAPH:  
> WestWEATHER  
CONDITIONS:  
> Overcast> ~ 70°PHOTOGRAPHED BY:  
> S. SengerSAMPLE ID  
(if applicable):  
> N/ADESCRIPTION: > Hydraulic oils in storage shed>



SITE NAME: Logan Storage Site

PAGE 7 OF 14

U.S. EPA ID: ILD025476914TDD: F05-8912-089PAN: FILE055BDATE: 8/22/90TIME: 1030DIRECTION OF  
PHOTOGRAPH:> WestWEATHER  
CONDITIONS:  
> Overcast> ~ 70°PHOTOGRAPHED BY:  
> S. SengerSAMPLE ID  
(if applicable):  
> N/ADESCRIPTION: > Taken from Southeast corner of site showing> railroad tracks and office building in the backgroundDATE: 8/22/90TIME: 1030DIRECTION OF  
PHOTOGRAPH:> West North westWEATHER  
CONDITIONS:  
> Overcast> ~ 70°PHOTOGRAPHED BY:  
> S. SengerSAMPLE ID  
(if applicable):  
> NADESCRIPTION: > Taken from SE corner of the site showing> The office on the far left and the storage shed to the right



SITE NAME: Logan Storage SitePAGE 6 OF 14U.S. EPA ID: ILD025475914TDD: F05-8912-089PAN: FILO7055BDATE: 8/22/90TIME: 1030DIRECTION OF  
PHOTOGRAPH:> North westWEATHER  
CONDITIONS:  
> Overcast> ~ 70°PHOTOGRAPHED BY:  
> S. SengerSAMPLE ID  
(if applicable):  
> N/ADESCRIPTION: > Taken from SE corner of site showing the  
> back side of a storage shedDATE: 8/22/90TIME: 1045DIRECTION OF  
PHOTOGRAPH:  
> NorthWEATHER  
CONDITIONS:  
> Overcast> ~ 70°PHOTOGRAPHED BY:  
> S. SengerSAMPLE ID  
(if applicable):  
> S1DESCRIPTION: > S1 close up>



SITE NAME: Logan Storage SitePAGE 9 OF 14U.S. EPA ID: ILD025475914TOD: F05-E912-089PAN: FILC7055BDATE: 8/22/90TIME: > 1045DIRECTION OF  
PHOTOGRAPH:> WestWEATHER  
CONDITIONS:  
> Overcast> ~ 70°

PHOTOGRAPHED BY:

> S. SengerSAMPLE ID  
(if applicable):  
> S1DESCRIPTION: > S1 perspective agricultural area to the west  
> \_\_\_\_\_  
\_\_\_\_\_DATE: > 8/22/90TIME: > 1100DIRECTION OF  
PHOTOGRAPH:> EastWEATHER  
CONDITIONS:  
> Overcast> ~ 70°

PHOTOGRAPHED BY:

> S. SengerSAMPLE ID  
(if applicable):  
> S2DESCRIPTION: > S2 Close up Facing east  
> \_\_\_\_\_  
\_\_\_\_\_



SITE NAME: Logan Storage Site

PAGE 10 OF 14

U.S. EPA ID: ILD025475914TOD: F05-8912-089PAN: FILO7055BDATE: > 8/22/90TIME: > 1100DIRECTION OF  
PHOTOGRAPH:> westWEATHER  
CONDITIONS:  
> Overcast> ~ 70°PHOTOGRAPHED BY:  
> S. SengerSAMPLE ID  
(if applicable):  
> S2DESCRIPTION: > S2 Facing west Logan's office in  
> the backgroundDATE: > 8/22/90TIME: > 1200DIRECTION OF  
PHOTOGRAPH:  
> westWEATHER  
CONDITIONS:  
> Overcast> ~ 70°PHOTOGRAPHED BY:  
> S. SengerSAMPLE ID  
(if applicable):  
> S3DESCRIPTION: > S3 Sediment sample collected downstream of  
> field where drums were stored.

SITE NAME: Logan Storage Site

PAGE 11 OF 14

U.S. EPA ID: ILD025475914

TDD: F05-E912-089

PAN: PILO7055B

DATE: > 8/21/90

TIME: > 1200

DIRECTION OF  
PHOTOGRAPH:

> North

WEATHER  
CONDITIONS:

> Overcast

> ~ 70°

PHOTOGRAPHED BY:

> S. Senger

SAMPLE ID  
(if applicable):

> S3



DESCRIPTION: > S3 Perspective looking upstream

>

DATE: > 8/22/90

TIME: > 1215

DIRECTION OF  
PHOTOGRAPH:

> South

WEATHER  
CONDITIONS:

> Overcast

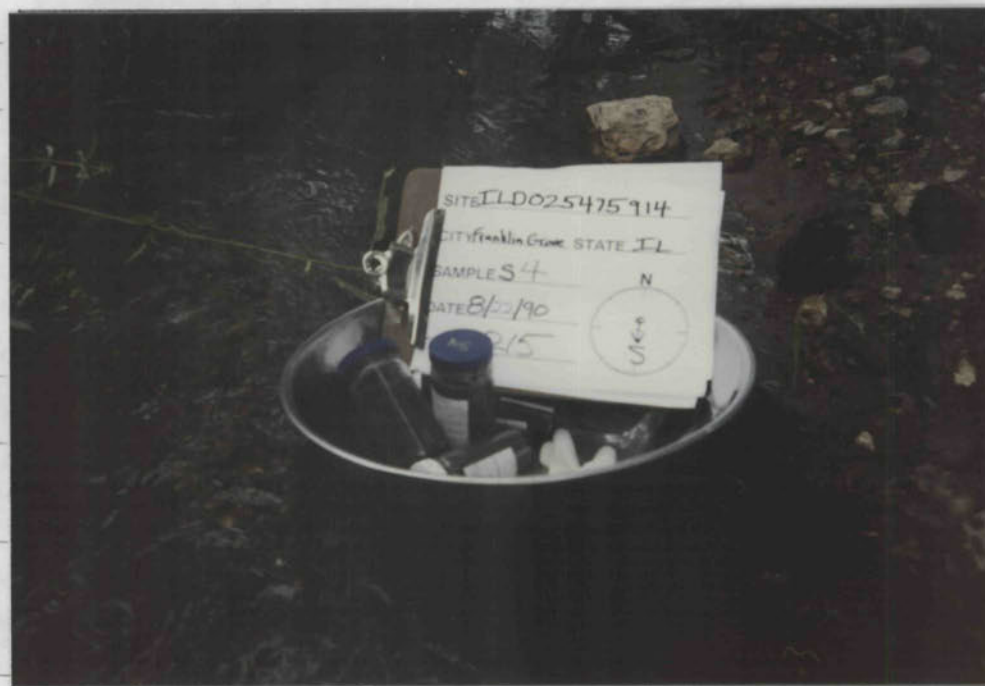
> ~ 70°

PHOTOGRAPHED BY:

> S. Senger

SAMPLE ID  
(if applicable):

> S4



DESCRIPTION: > S4 Sediment Sample

>



SITE NAME: Logan Storage Site

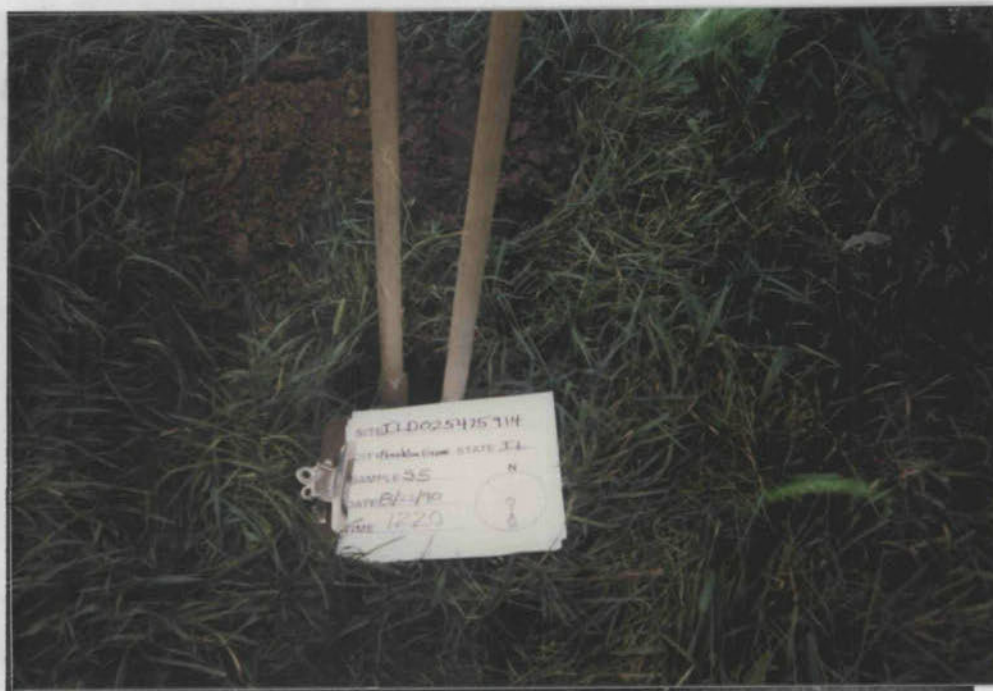
PAGE 12 OF 14

U.S. EPA ID: ILD025475914TDD: F05-8912-089PAN: FILO7055BDATE: 8/22/90TIME: 1215DIRECTION OF  
PHOTOGRAPH:> NorthWEATHER  
CONDITIONS:> Overcast> ~ 70°

PHOTOGRAPHED BY:

> S. SengerSAMPLE ID  
(if applicable):> S4DESCRIPTION: > S4 Looking upstream under Route 38 bridge>DATE: 8/22/90TIME: 1220DIRECTION OF  
PHOTOGRAPH:> SouthWEATHER  
CONDITIONS:> Overcast> ~ 70°

PHOTOGRAPHED BY:

> S. SengerSAMPLE ID  
(if applicable):> S5DESCRIPTION: > S5 closeup collected from the middle of the> Magnetometry Grid



SITE NAME: Logan Storage Site

PAGE 13 OF 14

U.S. EPA ID: ILD025475914TID: F05-E912-089PAN: FILO7055BDATE: > 8/22/90TIME: > 1220DIRECTION OF  
PHOTOGRAPH:> South eastWEATHER  
CONDITIONS:> Overcast> ~ 70°

PHOTOGRAPHED BY:

> S. SengerSAMPLE ID  
(if applicable):> S5DESCRIPTION: > S5 perspective with gate in South east> Corner of the horse pastureDATE: > 8/22/90TIME: > 1300DIRECTION OF  
PHOTOGRAPH:> WestWEATHER  
CONDITIONS:> Overcast> ~ 70°

PHOTOGRAPHED BY:

> S. SengerSAMPLE ID  
(if applicable):> S6DESCRIPTION: > S6 close up (Potential Background)>

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: Logan Storage Site

PAGE 14 OF 14

U.S. EPA ID: ILD025425914

TDD: F05-8912-089

PAN: FIL 070553

DATE: 8/22/90

TIME: 1300

DIRECTION OF  
PHOTOGRAPH:

West

WEATHER  
CONDITIONS:

Overcast

~70°

PHOTOGRAPHED BY:

S. Sengel

SAMPLE ID  
(if applicable):

S6



DESCRIPTION: S6 perspective Collected from an undisturbed  
area of the central portion of the site

APPENDIX D

U.S. EPA TARGET COMPOUND LIST AND  
TARGET ANALYTE LIST  
QUANTITATION/DETECTION LIMITS

ADDENDUM A

ROUTINE ANALYTICAL SERVICES  
CONTRACT REQUIRED DETECTION AND QUANTITATION LIMITS



Contract Laboratory Program  
Target Compound List  
Quantitation Limits

COMPOUND	CAS #	WATER	SOIL SEDIMENT SLUDGE
Chloromethane	74-87-3	10 ug/L	10 ug/Kg
Bromomethane	74-83-9	10	10
Vinyl chloride	75-01-4	10	10
Chloroethane	75-00-3	10	10
Methylene chloride	75-09-2	5	5
Acetone	67-64-1	10	5
Carbon disulfide	75-15-0	5	5
1,1-dichloroethene	75-35-4	5	5
1,1-dichloroethane	75-34-3	5	5
1,2-dichloroethene (total)	540-59-0	5	5
Chloroform	67-66-3	5	5
1,2-dichloroethane	107-06-2	5	5
2-butanone (MEK)	78-93-3	10	10
1,1,1-trichloroethane	71-55-6	5	5
Carbon tetrachloride	56-23-5	5	5
Vinyl acetate	108-05-4	10	10
Bromodichloromethane	75-27-4	5	5
1,2-dichloropropane	78-87-5	5	5
cis-1,3-dichloropropene	10061-01-5	5	5
Trichloroethene	79-01-6	5	5
Dibromochloromethane	124-48-1	5	5
1,1,2-trichloroethane	79-00-5	5	5
Benzene	71-43-2	5	5
Trans-1,3-dichloropropene	10061-02-6	5	5
Bromoform	75-25-2	5	5
4-Methyl-2-pentanone	108-10-1	10	10
2-Hexanone	591-78-6	10	10
Tetrachloroethene	127-18-4	5	5
Toluene	108-88-3	5	5
1,1,2,2-tetrachloroethane	79-34-5	5	5
Chlorobenzene	108-90-7	5	5
Ethyl benzene	100-41-4	5	5
Styrene	100-42-5	5	5
Xylenes (total)	1330-20-7	5	5



Table A  
Contract Laboratory Program  
Target Compound List  
Semi-volatiles Quantitation Limits

COMPOUND	CAS #	WATER	SOIL
			SEDIMENT SLUDGE
Phenol	108-95-2	10 ug/L	330 ug/Kg
Bis(2-Chloroethyl) ether	111-44-4	10	330
2-Chlorophenol	95-57-8	10	330
1,3-Dichlorobenzene	541-73-1	10	330
1,4-Dichlorobenzene	106-46-7	10	330
Benzyl Alcohol	100-51-6	10	330
1,3-Dichlorobenzene	95-50-1	10	330
2-Methylphenol	95-48-7	10	330
Bis(1-Chloroisopropyl) ether	108-60-1	10	330
4-Methylphenol	106-44-5	10	330
N-Nitroso-di-n-dipropylamine	621-64-7	10	330
Hexachloroethane	67-72-1	10	330
Nitrobenzene	98-95-3	10	330
Isophorone	78-59-1	10	330
2-Nitrophenol	88-75-5	10	330
2,4-Dimethylphenol	105-67-9	10	330
Benzoic Acid	65-85-0	50	1600
Bis(2-Chloroethoxy) methane	111-91-1	10	330
2,4-Dichlorophenol	120-83-2	10	330
1,2,4-Trichlorobenzene	120-82-1	10	330
Naphthalene	91-20-3	10	330
4-Chloroaniline	106-47-8	10	330
Hexachlorobutadiene	87-68-3	10	300
4-Chloro-3-methylphenol	59-50-7	10	330
2-Methylnaphthalene	91-57-6	10	330
Hexachlorocyclopentadiene	77-47-4	10	330
2,4,6-Trichlorophenol	88-06-2	10	330
2,4,5-Trichlorophenol	95-95-4	50	1600
1-Chloronaphthalene	91-58-7	10	330
2-Nitroaniline	88-74-4	50	1600
Dimethylphthalate	131-11-3	10	330
Acenaphthylene	208-96-8	10	330
2,6-Dinitrotoluene	606-20-2	10	330
3-Nitroaniline	99-09-2	50	1600
Acenaphthene	83-32-9	10	330
2,4-Dinitrophenol	51-28-5	50	1600
4-Nitrophenol	100-02-7	50	1600
Dibenzofuran	132-64-9	10	330
2,4-Dinitrotoluene	121-14-2	10	330
Methylphthalate	84-66-2	10	330
4-Chlorophenyl-phenyl ether	7005-72-3	10	330

**Table A**  
**Contract Laboratory Program**  
**Target Compound List**  
**Semivolatiles Quantitation Limits**

COMPOUND	CAS #	WATER	SOIL
			SLUDGE SEDIMENT
Fluorene	86-73-7	10 ug/L	330 ug/Kg
4-Nitroaniline	100-01-6	50	1600
4,6-Dinitro-2-methylphenol	534-52-1	50	1600
N-nitrosodiphenylamine	86-30-6	10	330
4-Bromophenyl-phenylether	101-55-3	10	330
Hexachlorobenzene	118-74-1	10	330
Pentachlorophenol	87-86-5	50	1600
Phenanthrene	85-01-8	10	330
Anthracene	120-12-7	10	330
Di-n-butylphthalate	84-74-2	10	330
Fluoranthene	206-44-0	10	330
Pyrene	129-00-0	10	330
Butylbenzylphthalate	85-68-7	10	330
3,3'-Dichlorobenzidine	91-94-1	20	660
Benzo(a)anthracene	56-55-3	10	330
Chrysene	218-01-9	10	330
bis(2-Ethylhexyl)phthalate	117-81-7	10	330
Di-n-octylphthalate	117-84-0	10	330
Benzo(b)fluoranthene	205-99-2	10	330
Benzo(k)fluoranthene	207-08-9	10	330
Benzo(a)pyrene	50-32-8	10	330
Indeno(1,2,3-cd)pyrene	193-39-5	10	330
Dibenz(a,h)anthracene	53-70-3	10	330
Benzo(g,h,i)perylene	191-24-2	10	330

Table A  
Contract Laboratory Program  
Target Compound List  
Pesticide and PCB Quantitation Limits

COMPOUND	CAS #	WATER	SOIL
			SEDIMENT SLUDGE
alpha-BHC	319-84-6	0.05 ug/L	8 ug/Kg
Beta-BHC	319-85-7	0.05	8
Delta-BHC	319-86-8	0.05	8
gamma-BHC (Lindane)	58-89-9	0.05	8
Heptachlor	76-44-8	0.05	8
Aldrin	309-00-2	0.05	8
Heptachlor epoxide	1024-57-3	0.05	8
Endosulfan I	959-98-8	0.05	8
Dieldrin	60-57-1	0.10	16
4,4'-DDE	72-55-9	0.10	16
Endrin	72-20-8	0.10	16
Endosulfan II	33213-65-9	0.10	16
4,4'-DDD	72-54-8	0.10	16
Endosulfan sulfate	1031-07-8	0.10	16
4,4'-DDT	50-29-3	0.10	16
Heptachlor (Methate)	72-43-5	0.5	80
Endrin ketone	53494-70-5	0.10	16
alpha-Chlordane	5103-71-9	0.5	80
gamma-Chlordane	5103-74-2	0.5	80
Teraphene	8001-35-2	1.0	160
ABPCLOP-1016	12674-11-2	0.5	80
ABPCLOP-1221	11104-28-2	0.5	80
ABPCLOP-1232	11141-16-5	0.5	80
ABPCLOP-1242	53469-21-9	0.5	80
ABPCLOP-1248	12672-29-6	0.5	80
ABPCLOP-1254	11097-69-1	1.0	160
ABPCLOP-1260	11096-82-5	1.0	160

Table A (Cont.)

CONTRACT LABORATORY PROGRAM  
 TARGET ANALYTE LIST (TAL)  
 INORGANIC DETECTION LIMITS

Compound	Procedure	Detection Limits	
		Water (µg/L)	Soil Sediment Sludge (mg/kg)
aluminum	ICP	200	40
antimony	furnace	60	2.4
arsenic	furnace	10	2
barium	ICP	200	40
beryllium	ICP	5	1
cadmium	ICP	5	1
calcium	ICP	5,000	1,000
chromium	ICP	10	2
cobalt	ICP	50	10
copper	ICP	25	5
iron	ICP	100	20
lead	furnace	5	1
magnesium	ICP	5,000	1,000
manganese	ICP	15	3
mercury	cold vapor	0.2	0.008
nickel	ICP	40	8
potassium	ICP	5,000	1,000
selenium	furnace	5	1
silver	ICP	10	2
sodium	ICP	5,000	1,000
thallium	furnace	10	2
tin	ICP	40	8
vanadium	ICP	50	10
zinc	ICP	20	4
cyanide	color	10	2

3767:1



APPENDIX E

WELL LOGS OF THE AREA OF THE SITE

White Copy -  
Ill. Dept. of Public Health  
Yellow Copy - Well Contractor  
Blue Copy - Well Owner

# INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE  
DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST  
JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER  
SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

WELL LOG 1

## ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

### 1. Type of Well

- a. Dug ☐ Bored ☐ Hole Diam. 5 in. Depth 120 ft.  
Curb ☐ Bored Slab: Yes ☐ No ☐
- b. Drive ☐ Drive Pipe Drive ☐ in. Depth ☐ ft.
- c. Drive ☐ Finished in Drift ☐ In Rock ☒  
Tessell ☐ Gravel Packed ☐
- d. Grout:

(KIND)	FROM (FT.)	TO (FT.)
Groutings	0	42

### 2. Distance to Nearest:

Building ☐ Ft. Seepage Tile Field ☐

Cess Pool ☐ Sewer (non Cast Iron) ☐

Privy ☐ Sewer (Cast Iron) ☐

Septic Tank ☐ Barnyard ☐

Leaching Pit ☐ Manure Pile ☐

3. Well furnishes water for human consumption? Yes ☒ No ☐

4. Date well completed 8-10-83

5. Permanent Pump Installed? Yes ☐ Date ☐ No ☒

Manufacturer Whiners Type ☐ Location ☐

Capacity ☐ gpm. Depth of Setting ☐ Ft.

6. Well Top Sealed? Yes ☒ No ☐ Type capped

7. Pressure Adapter Installed? Yes ☒ No ☐

Manufacturer Williams Model Number ☐

How attached to casing? bolted

8. Well Inspected? Yes ☒ No ☐

9. Pump and Equipment Inspected? Yes ☒ No ☐

10. Pressure Tank size 42 gal. Type Wall-x-trol

Location attendant

11. Water Sample Submitted? Yes ☐ No ☒

REMARKS:

## GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Non-Responsible Well No. ☐

Address Non-Responsible

Driller Manalima Well & Pump License No. 102-04

11. Permit No. 108366 Date 8-4-83

12. Water from Sandstone 13. County Lee

at depth 85 to 120 ft. Sec. 3

14. Screen: Diam. ☐ in. Twp. 21N

Length: ☐ ft. Slot ☐ Rge. 10E

Elev. ☐


### 15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5	PVC # 200	0	42

SHOW  
LOCATION IN  
SECTION PLAT  
NW 36 21N 10E

16. Size Hole below casing: 5 1/2 in.
17. Static level ☐ ft. below casing top which is ☐ ft.  
above ground level. Pumping level ☐ ft. when pumping at ☐  
gpm for ☐ hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Top Soil	1	1
Clay	9	10
Broken Rock	11	21
Shale	6	27
Rock	3	30
Shale	1	31
Rock	54	85
Sandstone	35	120

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Edward W. Kelly DATE 2-9-84

White Copy -  
Ill. Dept. of Public Health  
Yellow Copy - Well Contractor  
Blue Copy - Well Owner

# INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, BUREAU OF ENVIRONMENTAL HEALTH, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62701. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

WELL LOG 2

## ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

### Type of Well

- a. Dug ☐ Bored ☐ Hole Diam. 6 in. Depth 115 ft.  
Curb material ☐ Buried Slab: Yes ☐ No ☐  
b. Driven ☐ Drive Pipe Diam. 6 in. Depth 40 ft.  
c. Drilled ☒ Finished in Drift ☐ In Rock ☒  
Tubular ☐ Gravel Packed ☐  
d. Grout ☐

(KIND)	FROM (FT.)	TO (FT.)
Cement	0	40

### 2. Distance to Nearest:

Building 40 Ft. Seepage Tile Field 100  
Cess Pool ☐ Sewer (non Cast iron) ☐  
Privy ☐ Sewer (Cast iron) ☐  
Septic Tank 90 Barnyard ☐  
Leaching Pit ☐ Manure Pile ☐

### 3. Is water from this well to be used for human consumption?

Yes ☒ No ☐

### 4. Date well completed 11/15/75

### 5. Permanent Pump Installed? Yes ☐ No ☒

Manufacturer ☐ Type ☐

Capacity ☐ gpm. Depth of setting ☐ ft.

### 6. Well Top Sealed? Yes ☒ No ☐

### 7. Pitless Adaptor Installed? Yes ☐ No ☒

### 8. Well Disinfected? Yes ☒ No ☐

### 9. Water Sample Submitted? Yes ☐ No ☒

### REMARKS:

DRESDEN WELL DRILLING  
BOX 24  
WOOSUNG, ILL. 61091

DPH 4.065  
10-72  
KNB-1

## GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner [Redacted] Well No. 429  
Address [Redacted]  
Driller Ed Dresden License No. 92-52  
11. Permit No. 42983 Date 11/13/75  
12. Water from White Sandstone Formation  
at depth 85 to 115 ft. Sec. 2  
14. Screen: Diam. ☐ in. Twp. 21  
Length: ☐ ft. Slot ☐ Rge. 10E  
Elev. ☐

### 15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
6"	DAR TFC	0	40

SHOW  
LOCATION  
SECTION  
2000' N  
of S&C

### 16. Size Hole below casing: 6 in.

17. Static level 25 ft. below casing top which is 1  
above ground level. Pumping level 40 ft. when pumping at 1  
gpm for 1 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH BO
Clay	20	2
yellow limestone	65	8
White Sandstone	30	11

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Ed Dresden DATE 11/17/75

## INSTRUCTIONS TO MILLERS

FILL IN ALL PERTINENT INFORMATION REQUIRED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

WELL LOG 3

ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
WELL CONSTRUCTION REPORT

## GEOLOGICAL AND WATER SURVEYS WELL RECORD.

## 1. Type of Well

a. Cug \_\_\_\_\_ Bored \_\_\_\_\_, Hole Diam. 5 in. Depth 150 ft.  
Curb material \_\_\_\_\_, Burled Slab: Yes \_\_\_\_\_ No \_\_\_\_\_

b. Drive \_\_\_\_\_, Drive Pipe Diam. \_\_\_\_\_ in. Depth x ft.

c. Drilled \_\_\_\_\_, Finished in Drift \_\_\_\_\_, In Rock \_\_\_\_\_.  
Tubular \_\_\_\_\_, Gravel Packed \_\_\_\_\_.

d. Grout: \_\_\_\_\_

(KIND)	FROM (Fl.)	TO (Fl.)
OUTINGS		

## 2. Distance to Nearest:

Building \_\_\_\_\_ Ft.      Seepage Tile Field \_\_\_\_\_  
Cess Pool \_\_\_\_\_      Sewer (non Cast Iron) \_\_\_\_\_  
Privy \_\_\_\_\_      Sewer (Cast Iron) \_\_\_\_\_  
Septic Tank \_\_\_\_\_      Barnyard \_\_\_\_\_  
Leaching Pit \_\_\_\_\_      Manure Pile \_\_\_\_\_

3. Well furnishes water for human consumption? Yes X No       

4. Date well completed 6-1-78

5. Permanent Pump installed? Yes ☒ Date 6-8-78 No ☐

Manufacturer	Brings	Type	Subm.	Location	Well
--------------	--------	------	-------	----------	------

Consolidated	19	100	105	105
--------------	----	-----	-----	-----

6. Wall Top Surface Yes ☒ No ☐ Type Williams Cap

7. "Purless" Exhaust installed? Yes ☒ No ☐

Fitness Adapter Installed? Yes   X   No         
Manufacturer:   MILBARS   Model Number:   R50 AG  

Manufacturer Remington-Union Model Number 850 AC  
 If attached to serial 30174

New attached to casing?	Sorted	
	Y	N
0 (all Blistered)	Y	N

8. Well Disinfected? Yes Δ No       

9. Pump and Equipment Disinfected? Yes X No       

10. Pressure Tank Size 42 gal. Type Con air

Location Basement

2. "Water Sample Submitted?" Yes \_\_\_\_\_ No X

REMARKS:

C/NEF: INSTRUCTED TO TAKE SAMPLE

10. Property owner Non-Responsive [REDACTED] Well No.                     

Address Non-Responsive [REDACTED]

Driller: K &amp; K Well Drilling License No. 102231

11. Permit No. 74695 Date 5-26-78

12. Water from Rock 13. County Lee *122*

101	County	24
102	Formation	250

at depth 135 to 150 ft. Sec. 21A

Screen: Diam. \_\_\_\_\_ in. Twp. ~~21 N~~  
~~30 S~~

Length: \_\_\_\_\_ ft. Slot \_\_\_\_\_ Rge. ICE

Elev. \_\_\_\_\_

15. Casing and Liner Pipe 

--	--	--	--	--

Diam. (in.)	Kind and Weight	From (Pt.)	To (Pt.)
5"	Plastic	Q	4C

SHOW  
LOCATION IN  
SECTION PLAT  
X 11, 12 13 14

16. Size Hole below casing: 5 in.

17. Static level 48 ft. below casing top which is 7

static level 44.1 ft. below casing top which is 105 ft. above ground level. Pumping level 105 ft. when pumping at 20

above ground level. Pumping level 115 ft. when pumping at 25 gpm for 4 hours.

Opin. for \_\_\_\_\_ hour(s).

18.	FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
	Top Soil	3	3
	Rock	62	65
	Sandstone	70	135
	Rock	15	150

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Linnée de Mathis DATE June 8, 1978



SIGNED W. J. B. B. B. DATE 11-10-16

White Copy - Public Health  
 Yellow Copy - Well Contractor  
 Blue Copy - Well Owner

# INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, ROOM 616, STATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

WELL LOG 5

## ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

### 1. Type of Well

- a. Dug \_\_\_\_\_ Bored \_\_\_\_\_ Hole Diam. 8 in. Depth 365 ft.  
 Curb material \_\_\_\_\_ Burled Slab: Yes \_\_\_\_\_ No \_\_\_\_\_  
 b. Driven \_\_\_\_\_ Drive Pipe Diam. \_\_\_\_\_ in. Depth \_\_\_\_\_ ft.  
 c. Drilled \_\_\_\_\_ Finished in Drift \_\_\_\_\_ In Rock XX.  
 Tubular \_\_\_\_\_ Gravel Packed \_\_\_\_\_  
 d. Grout \_\_\_\_\_

(KIND)	FROM (Ft.)	TO (Ft.)

### 2. Distance to Nearest:

Building \_\_\_\_\_ Ft. Seepage Tile Field \_\_\_\_\_  
 Cess Pool \_\_\_\_\_ Sewer (non Cast Iron) \_\_\_\_\_  
 Privy \_\_\_\_\_ Sewer (Cast iron) \_\_\_\_\_  
 Septic Tank \_\_\_\_\_ Barnyard \_\_\_\_\_  
 Leaching Pit \_\_\_\_\_ Manure Pile \_\_\_\_\_

### 3. Is water from this well to be used for human consumption?

Yes \_\_\_\_\_ No \_\_\_\_\_

### 4. Date well completed July 20, 1972

### 5. Permanent Pump Installed? Yes \_\_\_\_\_ No X

Manufacturer \_\_\_\_\_ Type \_\_\_\_\_  
 Capacity \_\_\_\_\_ gpm. Depth of setting \_\_\_\_\_ ft.

### 6. Well Top Sealed? Yes X No \_\_\_\_\_

### 7. Pitless Adapter Installed? Yes \_\_\_\_\_ No \_\_\_\_\_

### 8. Well Disinfected? Yes X No \_\_\_\_\_

### 9. Water Samples Submitted? Yes \_\_\_\_\_ No X

### REMARKS:

IDPH 4.065  
 10/68

## GEOLOGICAL AND WATER SURVEYS WELL RECORD

Non - Responsive

### 10. Property owner Non - Responsive Well No. 2

Address Non - Responsive State Woods, Ill.

Driller Wenling Well Works License No. 72-25

11. Permit No. 17952 Date Jan 30, 1972

12. Water from \_\_\_\_\_ 13. County LaSalle

Formation \_\_\_\_\_ at depth \_\_\_\_\_ to \_\_\_\_\_ ft. Sec. 11 SE

14. Screen: Diam. \_\_\_\_\_ in. Twp. 21N

Length: \_\_\_\_\_ ft. Slot \_\_\_\_\_ Rge. 10E

350'N 450'W SE NW Elev. \_\_\_\_\_

### 15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
<u>8"</u>	<u>black pipe</u>	<u>0</u>	<u>55</u>

SHOW LOCATION IN SECTION PLAT

350'N 450'W  
SE/c NW

### 16. Size Hole below casing: 8 in.

17. Static level \_\_\_\_\_ ft. below casing top which is \_\_\_\_\_ ft. above ground level. Pumping level \_\_\_\_\_ ft. when pumping at \_\_\_\_\_ gpm for \_\_\_\_\_ hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
<u>Drift</u>	<u>55</u>	<u>55</u>
<u>Lime</u>	<u>63</u>	<u>116</u>
<u>shale</u>	<u>3</u>	<u>119</u>
<u>sand</u>	<u>131</u>	<u>250</u>
<u>lime</u>	<u>115</u>	<u>365</u>

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

Wenling Well Works, Inc.

SIGNED August 2, 1972 DATE \_\_\_\_\_

White Clay, Ill. Co. Yellow Clay, Ill. Co. Alex Gray - Well Owner

# INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, ROOM 616, STATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62705. DO NOT DETACH GEOLOGICAL / WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

WELL LOG 6 1/67

## ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

### 1. Type of Well

- a. Dug \_\_\_\_\_ Bored \_\_\_\_\_ Hole Diam. \_\_\_\_\_ in. Depth \_\_\_\_\_ ft.  
Casing material \_\_\_\_\_ Buried Slab: Yes \_\_\_\_\_ No \_\_\_\_\_  
b. Driven \_\_\_\_\_ Drive Pipe Diam. \_\_\_\_\_ in. Depth \_\_\_\_\_ ft.  
c. Drilled \_\_\_\_\_ Finished in Drift \_\_\_\_\_ In Rock X  
Tubular \_\_\_\_\_ Gravel Packed \_\_\_\_\_  
d. Grout \_\_\_\_\_

(KIND)	FROM (FT.)	TO (FT.)
Gravel	0	42.5"

### 2. Distance to Nearest:

- Building \_\_\_\_\_ Ft. Seepage Tile Field 150'  
Cess Pool \_\_\_\_\_ Sewer (non Cast iron) 150'  
Privy \_\_\_\_\_ Sewer (Cast iron) 25'  
Septic Tank 150' Barnyard \_\_\_\_\_  
Leaching Pit \_\_\_\_\_ Manure Pile \_\_\_\_\_

### 3. Is water from this well to be used for human consumption?

Yes No No \_\_\_\_\_

### 4. Date well completed Nov 27 1970

### 5. Permanent Pump Installed? Yes \_\_\_\_\_ No No

Manufacturer \_\_\_\_\_ Type \_\_\_\_\_  
Capacity \_\_\_\_\_ gpm. Depth of setting \_\_\_\_\_ ft.

### 6. Well Top Sealed? Yes Yes No \_\_\_\_\_

### 7. Pitless Adapter Installed? Yes \_\_\_\_\_ No No

### 8. Well Disinfected? Yes Yes No \_\_\_\_\_

### 9. Water Sample Submitted? Yes \_\_\_\_\_ No No

### REMARKS:

18-1 Well Seal  
18-10 Well Shoe  
6-3 Chlorine  
42.5-2

## GEOLOGICAL WATER SURVEYS WATER WELL RECORD

10. Dept. Mines and Minerals permit No. 11127 Year 1970

11. Property owner Non - Responsive Well No. \_\_\_\_\_

Address Non - Responsive

Driller ALB. J. JONES License No. 92-330

12. Water from \_\_\_\_\_ 13. County LaSalle

at depth 25 to 130 ft. Sec. 20 Twp. 12 Rng. 10E

14. Screen: Diam. \_\_\_\_\_ in. Length: \_\_\_\_\_ ft. Slot \_\_\_\_\_

Elev. 800'

### 15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (ft.)	To (ft.)
<u>6</u>	<u>Wt. 10.5</u>	<u>25</u>	<u>130</u>

16. Size Hole below casing: 6 in.

17. Static level 25 ft. below casing top which is \_\_\_\_\_

above ground level. Pumping level 25 ft. when pumping at \_\_\_\_\_

gpm for 1 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH (FT.)
<u>Clay</u>	<u>4'</u>	<u>4'</u>
<u>Light gray, shaly sandstone</u>	<u>6'</u>	<u>102'</u>
<u>Sandstone (Brown)</u>	<u>9'</u>	<u>111'</u>
<u>Sandstone (White)</u>	<u>17'</u>	<u>128'</u>

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED James Martin

DATE Nov 27 1970

White Copy -  
Ill. Dept. of Public Health  
Yellow Copy - Well Contractor  
Blue Copy - Well Owner

# INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

WELL LOG 7

## ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

### 1. Type of Well

- a. Dug \_\_\_\_\_ Bored \_\_\_\_\_ Hole Diam. \_\_\_\_\_ in. Depth \_\_\_\_\_ ft.  
Curb material \_\_\_\_\_ Burled Slab: Yes \_\_\_\_\_ No \_\_\_\_\_  
b. Driven \_\_\_\_\_ Drive Pipe Diam. \_\_\_\_\_ in. Depth \_\_\_\_\_ ft.  
c. Drilled X Finished in Drift \_\_\_\_\_ In Rock X  
Tubular \_\_\_\_\_ Gravel Packed \_\_\_\_\_  
d. Grout:

(KIND)	FROM (FT.)	TO (FT.)
Drilling	0	58'

### 2. Distance to Nearest:

Building 40 Ft. Seepage Tile Field Not Installed  
Cess Pool \_\_\_\_\_ Sewer (non Cast Iron) \_\_\_\_\_  
Privy \_\_\_\_\_ Sewer (Cast Iron) 80'  
Septic Tank Not Installed Barnyard \_\_\_\_\_  
Leaching Pit \_\_\_\_\_ Manure Pile \_\_\_\_\_

### 3. Well furnishes water for human consumption? Yes Yes No \_\_\_\_\_

### 4. Date well completed June 5 1977

### 5. Permanent Pump Installed? Yes \_\_\_\_\_ Date \_\_\_\_\_ No No

Manufacturer \_\_\_\_\_ Type \_\_\_\_\_ Location \_\_\_\_\_

Capacity \_\_\_\_\_ gpm. Depth of Setting \_\_\_\_\_ Ft.

### 6. Well Top Sealed? Yes Yes No \_\_\_\_\_ Type Compression Seal

### 7. Pitless Adapter Installed? Yes \_\_\_\_\_ No No

Manufacturer \_\_\_\_\_ Model Number \_\_\_\_\_

How attached to casing? \_\_\_\_\_

### 8. Well Disinfected? Yes Yes No \_\_\_\_\_

### 9. Pump and Equipment Disinfected? Yes \_\_\_\_\_ No \_\_\_\_\_

### 10. Pressure Tank Size \_\_\_\_\_ gal. Type \_\_\_\_\_

Location \_\_\_\_\_

### 11. Water Sample Submitted? Yes \_\_\_\_\_ No No

### REMARKS:

20' - 3" Well Seal  
14' - 3" Chlorine  
19' - 2" Supermitt  
- 8" Well Shoe  
59' - 4"

## GEOLOGICAL AND WATER SURVEYS WELL RECORD

### 10. Property owner Non - Responsive Well No. \_\_\_\_\_

Address Non Responsive

Driller W. M. Martin License No. 92-332

### 11. Permit No. 85278 Date May 7, 1977

### 12. Water from Sandstone 13. County Lee

at depth 98 to 170 ft. Sec. 12.8h

### 14. Screen: Diam. \_\_\_\_\_ in. Twp. 31N

Length: \_\_\_\_\_ ft. Slot \_\_\_\_\_ Rge. 10E

Elev. 800'

### 15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
6"	West 19"	+1	59'-4"

SHOW LOCATION IN SECTION PLAT  
100' 5" 500' E, 100' N

### 16. Size Hole below casing: 6 in.

### 17. Static level 18' ft. below casing top which is 1 ft.

above ground level. Pumping level 42 ft. when pumping at 40

gpm for 4 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Top Soil	1	1
Clay	24'	25'
sand-shale Limestone	15'	40'
Limestone	58'	98'
Sandstone	72'	170'

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED James Martin DATE June 10, 1977



White Copy -  
Ill. Dept. of Public Health  
Yellow Copy - Well Contractor  
Blue Copy - Well Owner

# INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE  
DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST  
JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER  
SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

WELL LOG 7

## ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

### 1. Type of Well

- a. Dug ☐ Bored ☐ Hole Diam.  in. Depth  ft.  
Curb material  Buried Slab: Yes ☐ No ☐  
b. Driven ☐ Drive Pipe Diam.  in. Depth  ft.  
c. Drilled ☒ Finished in Drift ☐ In Rock ☒  
Tubular ☐ Gravel Packed ☐  
d. Grout:

(KIND)	FROM (FT.)	TO (FT.)
Drilling	0	58'

### 2. Distance to Nearest:

- Building 70 Ft. Seepage Tile Field Not Installed  
Cess Pool ☐ Sewer (non Cast Iron) ☐  
Privy ☐ Sewer (Cast Iron) 80'  
Septic Tank Not Installed Barnyard ☐  
Leaching Pit ☐ Manure Pile ☐

### 3. Well furnishes water for human consumption? Yes ☒ No ☐

### 4. Date well completed June 5, 1977

### 5. Permanent Pump Installed? Yes ☐ Date No ☒

Manufacturer  Type  Location

Capacity  gpm. Depth of Setting  Ft.

### 6. Well Top Sealed? Yes ☒ No ☐ Type Compression Seal

### 7. Pitless Adapter Installed? Yes ☐ No ☒

Manufacturer  Model Number

How attached to casing?

### 8. Well Disinfected? Yes ☒ No ☐

### 9. Pump and Equipment Disinfected? Yes ☐ No ☐

### 10. Pressure Tank Size gal. Type

Location

### 11. Water Sample Submitted? Yes ☐ No ☒

### REMARKS:

30' - 3"  
14' - 3"  
19' - 2"  
- 8"  
54' - 14"  
Well Seal  
chlorine  
seal permit  
well shoe

## GEOLOGICAL AND WATER SURVEYS WELL RECORD

### 10. Property owner Non - Responsive Well No.

Address Non - Responsive

Driller W. M. M. M. M. License No. 92-332

### 11. Permit No. 85278 Date May 7, 1977

### 12. Water from Sandstone 13. County Lee

at depth 98 to 170 ft. Sec. 12.8h

### 14. Screen: Diam. in. Twp. 21N

Length:  ft. Slot  Rge. 10E

Elev. 802'

### 15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
6"	West 19"	+1	59'-4"

SHOW  
LOCATION IN  
SECTION PLAT  
100' 5" 500' 5" N.W. 1/4

### 16. Size Hole below casing: 6 in.

### 17. Static level 18' ft. below casing top which is 1 ft.

above ground level. Pumping level 42 ft. when pumping at 40

gpm for 4 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Top Soil	1	1
Clay	24'	25'
sand-shale limestone	15'	40'
limestone	58'	98'
sandstone	72'	170'

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED James Martin DATE June 10, 1977